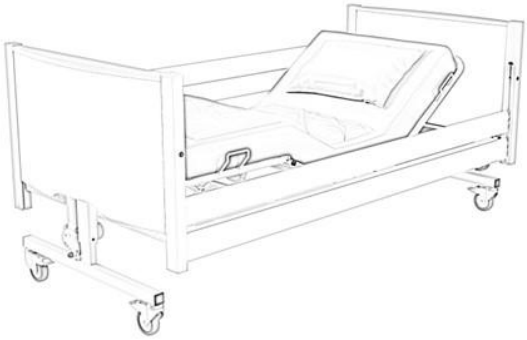
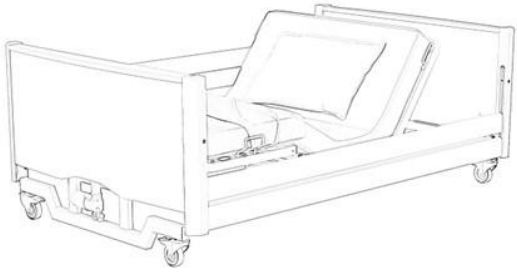
INSTRUCTIONS FOR USE

TAURUS



BARIATRIC



REHABED
...our ideas your comfort

WELCOME TO REHA-BED

Reha-Bed is a Polish family company specializing in the production of the highest-quality rehabilitation beds and a wide range of products that support the care, rehabilitation, as well as long-term and short-term care.

Thanks to the fact that we not only produce and design our equipment but also are very flexible and can adapt to the requirements of our clients. Thanks to over 15 years of experience in the industry, we can advise our clients with full responsibility and help them to choose the most optimal equipment.

We meet the needs of our clients, search innovative solutions and constantly strive to expand our offer.

Reha-Bed Sp. z o.o. places the greatest emphasis on the high quality of components and materials used in production. It takes advantage of extensive experience and knowledge of world-class suppliers of actuators, driving systems and fasteners. The dynamically developing technology of our company ensures the highest quality of steel and wooden elements for the produced assortment. Precise control of our products is a guarantee of the future satisfaction of our clients.

R&D Department

Engineers, designers and constructors responsible for development, improvement and expansion of the range of products.

Production Department

Our production is based on modern world-class equipment and experience of our employees.

Employment

Over 50 qualified employees employed in the production department.

Area

Warehouse and production halls, as well as office space with a total surface exceeding 4500m^2

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1. INTRODUCTION

Thank you for your trust and purchase of our product. Before using the bed, please read this instruction manual carefully and make sure it is fully understood. In the case of any doubts concerning the installation, use or maintenance of the bed, please contact the seller or the manufacturer.

1.1. CONTACT

In order to get help with the installation, use or service of the product, as well as to report an unexpected operation or to obtain any information regarding service, warranty, sales or customer service concerning this product, please contact your dealer, distributor or (in case of doubt) with Reha-Bed Sp. z o.o. at the following address:

Reha-Bed Sp. z o.o.
Spacerowa 1 Street
41-253 Czeladź
Poland

In service matters (including spare parts):

e-mail address: serwis@rehabed.com.pl
phone: +48 519 842 766
phone: +48 608 727 090

Other issues:

e-mail address: biuro@rehabed.com.pl
phone: +48 608 727 090

Each serious incident connected with the device should be reported to Reha-Bed Sp. z o.o. and the competent authority of the Member State, where the device is used. Please provide the product serial number (SN) in all correspondence. You can find it on the identification labels, which are located on the inside of the backrest section frame and the leg section frame, as well as on the bottom of each bed ends.

In order to receive support outside of Poland, please contact the importer or the local distribution company, which sold you the device.

1.2. WHAT THE INSTRUCTION MANUAL IS ABOUT?

This instruction manual applies to Taurus and Bariatric beds with the possibility of electric control of the back and leg sections.

All products are CE marked – in accordance with the Regulation (EU) 2017/745 on medical devices (MDR).

1.3. General information

- 4 separate sections (movable back and leg section) or 2 separate sections (movable back section only - Taurus bed only)
- Electrically controlled back and leg section position
- Mechanical adjustment of the foot section
- Auto contour – simultaneous adjustment of back and leg sections
- Stepless electric adjustment of bed's height and tilt: reverse-Trendelenburg and Trendelenburg* (available for hospital environment and nursing homes)
- Lockable handset (remote control)
- Wooden side rails along the entire length of the mattress platform
- Auto-regression (optional – Taurus beds only)
- Available LOW version with a reduced minimum and maximum height of the mattress platform compared to the standard bed
- Emergency power system (optional)
- Possibility of disassembling into four separate parts stored and/or transported on the transport stand (to aid storage and bed transportation)
- Electrical system IPX4 rated – Splash resistant.

*If patient requirements are such that Trendelenburg functionality is deemed to pose a potential risk a replacement handset can be purchased with the Trendelenburg function removed – for details contact with your local distributor or the manufacturer.

1.4. Application

The Taurus and Bariatric column bed has been designed to provide the user with optimal independence and freedom whilst aiding the manual handling requirements of the carer. It is operated with the use of a 9 or 10 button handset. It is intended for use in the following environments:

- In a domestic environment, where it is used to alleviate or compensate for injuries, disabilities and diseases, and
- In long-term care facilities, where medical care and health monitoring are required (e. g. nursing homes, rehabilitations centres, geriatric wards).

The bed significantly relieves a caregiver thanks to a fully electrically profiled platform that enables to adjust the position to the user's needs.

The bed is designed for users with a minimum height from 146 to 185 cm (when the bed length extension is not fitted), BMI greater than 17 and a maximum weight up to 178 kg (for the Taurus bed) or 318 kg (for the Bariatric bed). The lower (or upper) age limit is not defined. The usability of the bed depends on the physical size of the patient

in relation to the various proportions and spaces around the bed's frame. The bed is not intended for patients weighting less than 40 kg.

The bed is intended for one person only!

The bed is designed to support the patient's weight (as described above) while sleeping or resting. It assists in the care and/or ensures comfort for the patient or caregiver – when the bed is used in long-term care facilities.

It is the carer's responsibility to determine that the patient is both mentally and physically capable of occupying the bed with minimal risk of personal injury.

- A risk assessment must always be performed on the suitability of the patient to the bed frame and any ancillary accessories.
- **If there are any doubts to use the product should be consulted with a health care professional (e.g. physiotherapist, doctor). Make sure the product is suitable for your condition or dysfunction.**

1.5. CONTRAINDICATIONS

The contraindications for using the Taurus or Bariatric bed include:

- Cervical or skeletal traction,
- Unstable fractures of the spine – if the bed's functions remain unlocked,
- General fractures of the skeleton – if the bed's selected functions remain unlocked,
- Level of mental development that makes it impossible to safely operate the bed's functions – if the bed functions remain unlocked,
- Confusion, agitation or unstable emotional state of the patient – if side rails are installed and/or they are in the highest position,
- Exceeding the maximum patient's weight,
- Inadequate height of the patient (below 146 cm or above 185 cm),
- Inappropriate BMI of the patient (below 17),
- Inadequate weight of the patient (less than 40 kg).

Consider the presence of other contraindications that are specific for the patient of the care environment.

Warnings in this instruction manual indicate potential hazards, disregard of which could lead to injury or death.

Cautions in this instruction manual identify potential hazards, disregard of which could result in damage to the equipment.

2.1. WARNINGS AND CAUTIONS

- **READ THE INSTRUCTION MANUAL CAREFULLY** before use or installation.
- **THE USER IS OBLIGED TO FOLLOW THIS INSTRUCTION.**
- The bed is not suitable for children. If used by a child, ensure that a risk assessment has been conducted – taking into account the child's proportions and the dimensions of the bed's frame.
- The bed is not suitable for users with a height less than 146 cm – in case of doubt, please contact the local distributor of manufacturer.
- The bed is not suitable for users weighting less than 40 kg – in case of any doubt, please contact the local distributor of manufacturer.
- The bed is not suitable for users with a BMI less than 17 - in case of any doubt, please contact the local distributor of manufacturer.
- Particular attention should be paid to the current cables – they should not be located between moving parts of the back or leg section, as well as between the bed lifting system – due to the risk of failure due to pinching of cables.
- All cables must be hung on the brackets provided for this purpose, so that they do not rub and touch the floor.
- Incorrect use of electrical equipment can be dangerous.
- When installing external device cables around the bed, take precautions to prevent them from being crushed, trapped or damaged – damaged cables can pose a risk of electric shock and/or fire.
- If you cannot plug the main power cable directly into a wall socket, only the CE marked extension cables may be used.
- The bed should be used in acceptance with its intended purpose.

- If the product is connected to the power supply with an extension cable, never overload the product by connecting devices that exceed the maximum rating of the extension cable – risk of fire.
- Make sure that there are not many sockets under the frame – liquids that may seep into such a socket during normal use of the bed may pose electrical/fire hazard.
- All electrical components that are a part of the bed and/or related accessories, which are damaged, must be immediately withdrawn from service and replaced – damaged electrical components may present a risk of electric shock/fire.
- The bed cannot be used if any parts are missing.
- Before each use of the device, check and lock all four wheels.
- Wheels should be locked/unlocked with the use of foot, not with a hand.
- There should not be obstacles (that would make its proper operation or assembly difficult) in the place, where the bed is used.
- The bed should be adjusted and used on flat, horizontal surfaces – all wheels ought to touch the ground.

- Do not exceed the safe working load of the bed and lifting pole!
- Side rails must be installed on both sides of the bed (also against the wall).
- If there is no supervision over the user (if such circumstances exist), set the highest position of side rails on both sides of the bed. They may be unblocked and lowered only by the responsible person (caretaker or nurse).
- Leaning on side rails may cause an accident!
- If the side rails are damaged (bent, broken, cracked, etc.), they must be replaced immediately due to the risk of an accident.
- Leaning out of the bed may cause an accident!
- Leaving limbs between moving parts of the bed may injured them and cause an accident.
- During adjustment and maintenance, make sure that any parts of the body are not located in the zone of potential risk of injury (movable parts: back and leg section, lifting system and side rails).
- During adjustment of the back or leg section, do not put your hands between the mattress and the metal parts of the bed – due to the risk of limb injuries!
- Do not sit on raised calf, thigh and back sections.

- In the case of the event of lifting pole's deformation, it should be immediately replaced with a new one.
- Pulling out the plug from the socket is allowed only when you hold the plug/adapter – do not pull the cable.
- Do not leave the user in the Trendelenburg or reverse-Trendelenburg position!
- Lock the handset's functions when the user should not change the height and/or angle of the back or leg sections, or when there are doubts concerning the patient's ability to safety control the functions of the bed.
- The bed should be set to the lowest position if the user is left unattended – in order to minimize the risk of injury from falling.
- It is forbidden to open covers of actuators, control box and power supply!
- Remember that there is a risk of accident or damage to the bed if product is repaired the on your own!
- The bed is not intended for transporting the user. The manufacturer enables to transport the bed with the user only within the room for washing/cleaning or provide the access to a patient. In such a case, special attention should be paid to disconnect the bed from the power supply before transporting the bed. The transport should be carried out in the lowest position of the mattress platform, while maintaining the user's lying position.

- Inspections, repairs and disinfections may only be carried out by specially trained persons.
- The maximum time of continuous operation of actuators is **2 minutes** per **18 minutes of break**. Failure to comply with the operating time/ break time may result in permanent damage to the actuator.
- Standard height side rails enable to use mattresses with a maximum height of 150 mm.
- The height extension of the side rails enables to use mattresses with a maximum height of 330 mm (Taurus beds) and 350 mm (Bariatric beds).
- The use of accessories that have not been designed for use with the bed is forbidden.
- The use of additional mechanical or electrical devices that are not intended for use with the bed is unacceptable.
- Side rails may only be used with a correct size mattress (adequate for a given bed) – otherwise there is a risk of the user entrapment.

- In order to enable the disconnection of the bed from the mains, ensure that the plug is accessible.
- Due to the small space under the bed, special attention should be paid to young children, user limbs and other items around the bed that could be trapped between the bed's components and injured or damaged.
- Take precautions when installing cables for external devices around the bed to prevent them from being pinched, wedged or damaged during the bed's use.
- Make sure that mains cable is plugged into a suitable power source.
- Incorrect handling/positioning of the power cable may cause its tangling and breaking, which may expose the cables (due to damage to the insulation cover) and pose a risk of electric shock.
- Only original parts supplied by the manufacturer may be used.
- It is forbidden to modify the bed's frame without the consent of the manufacturer – this poses a risk of danger.
- Hold solid and massive parts of the bed's frame during transport!
- The bed should be used and kept away from heat sources and open flames (e. g. cigarettes, electric fire, heaters, etc.) – risk of explosion / fire.
- If the bed will be used with a hoist, make sure that there is enough space under the bed to lower the bed to the lowest possible position of the mattress platform – risk of crushing of the bed's frame.
- **ALL THE ABOVE-MENTIONED WARNINGS AND CAUTIONS MUST BE STRICTLY OBSERVED**.

3. TRANSPORT AND STORAGE

Observe the following instructions when transporting and storing the bed:

- Store the bed on the transport stand to save space.
- Always store the bed on a flat, level surface.
- Set the bed to the minimum height.
- Side rail parts (with the exception of wooden side rails) should be stored inside aluminium channels located in the bed ends (or in a selected safe place).
- Wheel brakes should be locked.
- All profiled sections should be secured with the cable ties, tape, etc.
- All electrical functions of the bed should be locked.
- Make sure that all fasteners (such as screws, washers, plugs, etc.) are carefully tightened and secured for transport.
- The bed should be protected (e. g. with the use of foil) against the ingress of liquids, dirt, dust, etc.
- It is strictly forbidden to store beds on top of each other.
- Do not store the bed on its side.

Environmental conditions:

	Use conditions	**Transport/storage conditions**
Ambient temperature:	from +10ºC to +40°C	from -20°C to +50ºC
Humidity:	30% - 75%	30% - 75%
Atmospheric pressure:	from 800 to 1060 hPa	from 800 to 1060 hPa
Altitude above sea level:	≤ 2000 m	≤ 2000 m

- The bed is not intended for transporting the user. Do not transport the bed along with the user between rooms – due to the risk of injury to the user/caregiver. If the bed is transported within the room with the user, a risk assessment should be conducted in line with local health and safety rules in order to ensure the safety of the user/personnel when moving the bed – this depends on the situation and the bed's load.
- When transporting the bed on the transport stand, make sure that a risk assessment has been conducted in acceptance with local health and safety rules in order to reduce hazards, in particular when transporting the device on sloped or uneven surfaces.
- The bed should not be transported on the transport stand in the absence of screws or unsecured sections – the risk of bed's collapse.

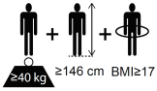
- In order to prevent the risk of cross contamination, when removing the bed from its place of use by the end user, make sure that all actions (connected with the bed) are carried out with the use of disposable gloves. Next to, properly dispose the glove, unless it can be verified that the bed and all accessories have been properly disinfected and cleaned.
- If the bed is removed from its place of use by the end user, before handing the bed over for storage, make sure that the bed has been cleaned and disinfected – in acceptance with your local infection control rules and/or rules that are specified in this instruction manual (see section 11).

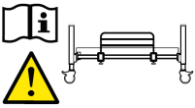
- If the bed has been transported/stored at a temperature close to the minimum/maximum values determined above, it should be left for a minimum of 2 hours in order to reach room temperature before its connection to the power supply – operation outside the recommended temperatures poses a risk of damage to the electrical system.
- Avoid exposing the bed to direct sunlight – direct sunlight may damage the electrical system and/or cause bed's colour fading over time (including the fading of the bed's labels).
- Avoid placing the bed in a humid environment – a long-term exposure to moisture may damage the electrical system and/or have a detrimental effect on parts of the bed's frame.
- Wooden and wood-based elements are not waterproof. Exposure of the product to moisture, flooding, or prolonged dampness constitutes use contrary to the operating instructions and may result in permanent damage to the product. Cleaning and disinfection must be carried out in accordance with the information provided in this operating manual.
- For the LUX version, avoid contact between the wooden casing of the bed ends and water, as well as prolonged exposure to moisture. Exposure of the casing to moisture may result in damage.
- During use, natural changes in the wood may occur, such as cracking, color changes and fading of the impregnation, knots falling out, or resin exudation. These changes result from the properties of the material and the influence of external factors, including UV radiation and environmental conditions.

- Differences in shade within a single wood color result from the natural non-uniformity of the wood structure and do not constitute a product defect or grounds for a complaint.
- Do not use side rails to transport the bed – the risk of damaging side rails/bed's frame.
- Do not transport the bed over threshold – this may damage the frame.
- When using the bed's functions, make sure that no furniture or other things (such as a bedside table) are not an obstacle.
- Make sure that the bed is positioned in an appropriate distance from walls/other furniture in order to prevent the damage to the equipment when operating the bed (especially when working with a tilted mattress platform).
- Cable tiles, etc. used for storage should be removed after assembling the bed, before use – the frame may be damaged in the event of their leaving.
- Take special precautions concerning EMC. The bed should be installed and put into operation in a manner described in chapter 14.
- The bed with an additional source of emergency power supply is not intended to discharge batteries for a long time and it should always be connected to the power supply during normal use – complete discharge of batteries / accumulators may reduce their performance.

4. SYMBOLS AND MARKINGS

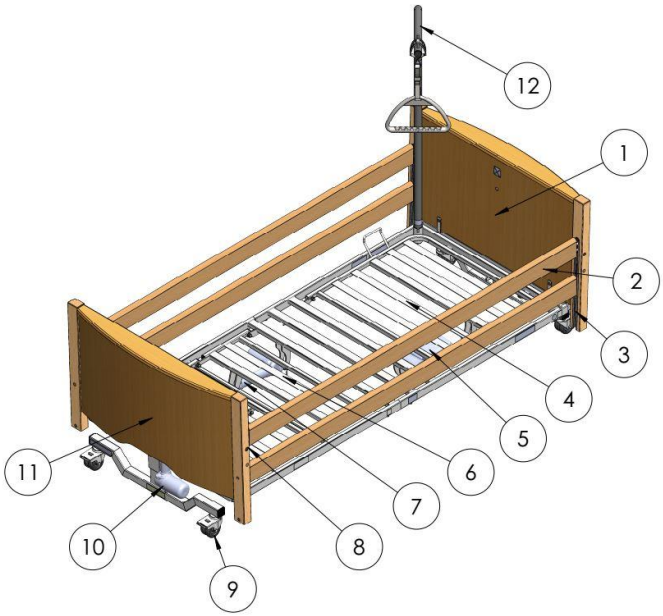
The following symbols are observed on the beds:

	Warning Warning of the potential risk
	Caution Warning of potential damage to the product
	Reference to the instruction manual - recommended Failure to comply with the recommendation may cause a risk
	Reference to the instruction manual - mandatory Failure to comply with the recommendation may cause a risk
	Maximum user weight
	Safe working load
	WEEE marking – placed on individual parts of electronic system (Waste electrical and electronic equipment)
	Application part (type BF) Application part: a part of the device that comes into physical contact with the patient and/or user – in order to use it to perform its assigned functions Type BF: application parts that are electrically isolated from earth and other parts of medical equipment – they comply with the specific requirements for protection against electric shock in acceptance with IEC 60601-1
	Class II electrical appliance The user is protected by at least two insulation layers against conductive elements (e. g. power cable) – in case of noticing damage to the control unit or the power cables, immediately disconnect the device from the power supply and immediately contact the supplier or Reha-Bed Sp. z o.o.
	Marking of the medical device
	**Determination of minimum physical requirements for adults** From the left: minimum patient weight, minimum patient height, minimum BMI value of the patient
	Information about the mattress can be found in the instruction manual
	Warning – knee break intended purpose Knee break to be used for lifting patient legs only

	Warning – dynamic mattress Dynamic mattresses must only be strapped to moving parts or bed's frame
	Warning – specific height of side rails Required specific height of side rails (Bariatric beds)
	Electrical specification Including storage and use conditions
	**Warning – removable side rail** Incompatible and improperly installed side rails may pose a risk of injury or death - see the instruction manual
	Total product weight on the transport stand Heavy weight of the product - be careful when transporting on the transport stand and assembly
	Warning regarding the transport on the transport stand The risk of loss of stability/overturning of the product - be careful when transporting the product on the transport stand
	Certification mark Product meets the requirements of the Regulation (EU) 2017/745 on medical devices (MDR)
	Manufacturer data
	DOM Date of manufacturing
	SN Serial number
	Reference number Product code

5. COMPONENT PARTS

5.1. LIST OF COMPONENTS OF THE BED



(The figure shows the Taurus LOW LUX bed with wooden side rails)

1. Head bed end (actuator with blue marker)
2. Wooden side rails
3. Side rails channel (aluminium channel)
4. Backrest section
5. Backrest section actuator and control box
6. Leg section
7. Leg section actuator
8. Side rail lock release button
9. Wheel
10. High-low actuator
11. Foot bed end (actuator with white marker)
12. Lifting pole (optional)
13. Handset (not shown)

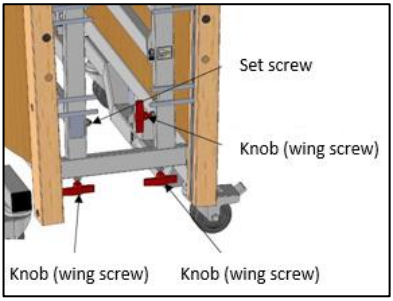
- During assembly/disassembly and operation works, pay special attention to the risk of hands injury.
- The bed cannot be used when there are missing parts.

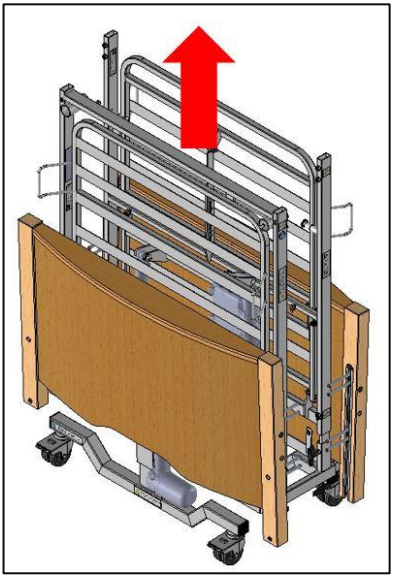
6. ASSEMBLY OF THE BED AND PREPARATION FOR USE

6.1. DISASSEMBLY FROM THE TRANSPORT STAND

- Make sure that you have read and fully understood the instruction manual before the assembly of the bed.
- Make sure that a risk assessment has been conducted in acceptance with local health and safety regulations in order to protect personnel from risks during assembly works.
- Be especially careful when removing the bed from the transport stand and assembling – due to the heavy weight of individual elements.
- The bed should be assembled by two persons.

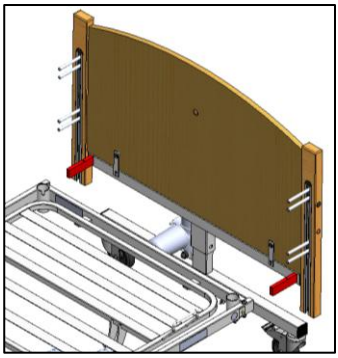
- Before starting the assembly, prepare the surface and pay special attention to whether the possible movement of the bed will not be difficult.
- Lock all 4 wheels.
- Loose knobs (wing screws) that hold the leg section, then lift it up and carefully set it down on the floor.
- Use the supplied allen key to loosen the set screws that hold the back section on the transport stand. Then lift it up and carefully set it down on the floor.
- Loosen knobs on the transport stand. Move the bed end away by carefully placing it on the floor or leaning against a wall. **Note: when one bed end is removed, the second one will not stand alone.**
- Remove the transport stand from the other bed end and keep it (in the case of possible disassembly of the bed).
- Now, the bed is disassembled.

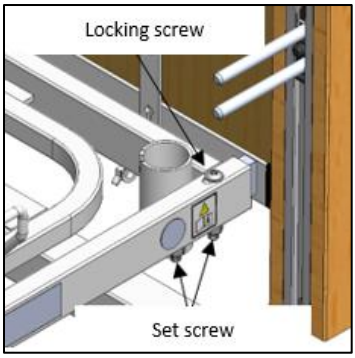




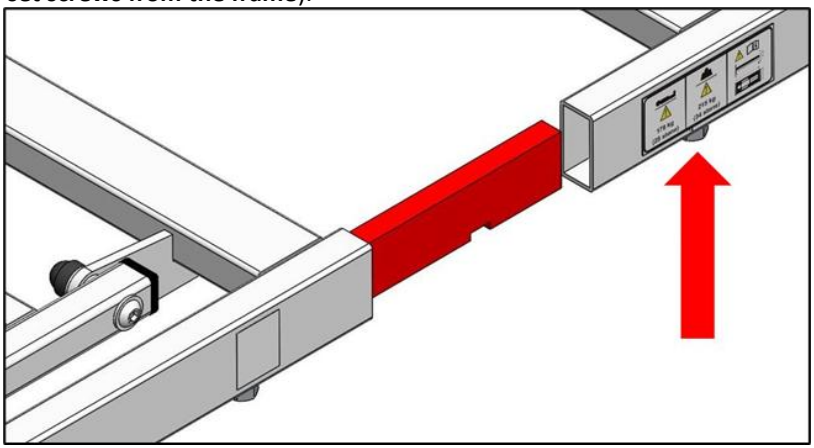
6.2. ASSEMBLY OF THE BED

- Fit the head bed end (blue marker on the actuator's cable) to the backrest mattress platform frame by inserting connectors into the end of the backrest section, and then locate the locking and set screws and gently tighten them. **Do not tighten the screws!**
- Fit the foot bed end (white marker on the actuator's cable) to the leg section mattress platform frame by inserting connectors into the end of the leg section frame, and then locate the locking and set screws and gently tighten them. **Do not tighten the screws!**





- Release brakes on two wheels in a selected bed end.
- Locate the position of set screws at the bottom of the frame, and then slide the connector into the frame. Tighten 4 set screws on each bed end (**do not remove set screws from the frame**).



- After fitting two halves of the bed, tighten all set screws (12 screws located on the bottom of the frame) and 4 locking screws (located on the top of the frame in each corner). **Set screws must be tightened before locking screws**.
- Cut off/remove the plastic retaining ties/Velcro straps from the head and foot mattress platforms.

The bed cannot be used if any of the set screws or locking screws is missing – the risk of the bed's collapsing.

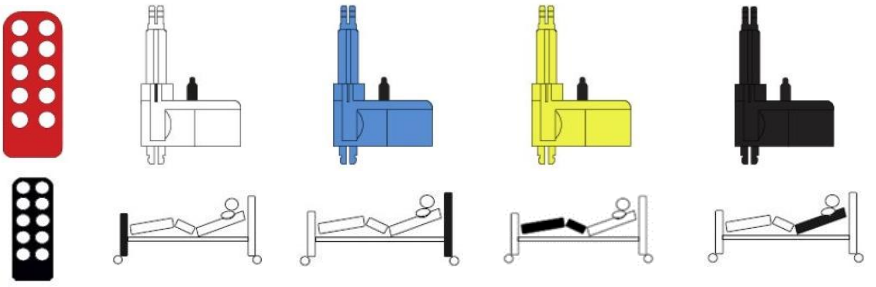
Make sure that all packaging parts that secure movable sections (such as cable ties, foils, tapes, etc.) have been removed before the bed is put into service – otherwise, there is a risk of damaging the bed's frame.

6.3. CONNECTION OF THE ELECTRICAL SYSTEM

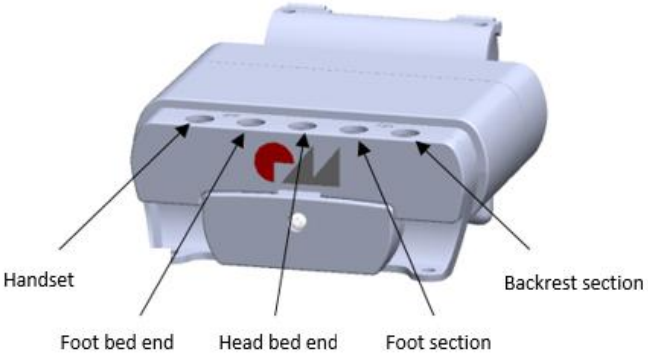
The bed is designed to be connected to a constant power supply. The auxiliary emergency power supply is available as an accessory to maintain the bed's basic functions for a specified period of time if mains power is not available (see section 10).

- Before starting assembly works, check the condition of the power cable, handset cable, actuator cables and batteries located in the control box (if included in the set) and make sure that they are not damaged.
- Next to, connect the cables in acceptance with the colour scheme to the control box as shown in the picture below. The fitted cables should be secured against displacement with the use of the provided clip (plastic cover/plug).

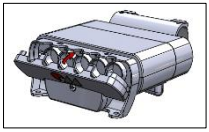
Connection diagram of the ECS system (TAURUS beds):



Handset	White marker = Foot bed end	Blue marker = Head bed end	Yellow marker = Foot section	Black marker = Backrest section



- After connecting all cables, secure them against displacement with the use of the provided plug.


Handset and actuator cables are not shown

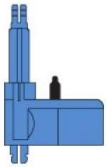
- Make sure that the power cable from the control box and the power connector are properly connected. For this purpose, make sure that both ends have been properly pressed.

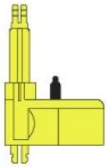
Source: DewertOkin GmbH

Connection diagram of the MCL II system (BARIATRIC beds):

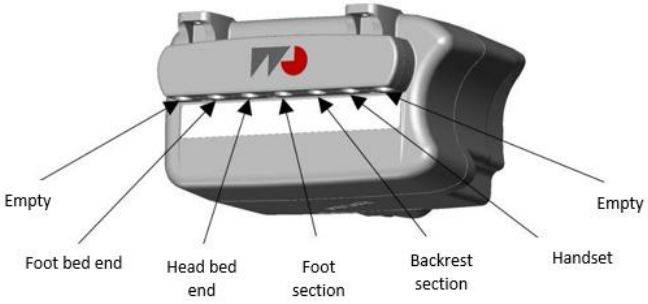
Handset

White marker = Foot bed end

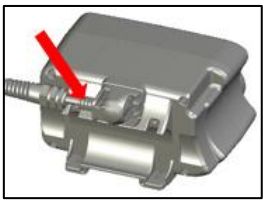

Blue marker = Head bed end


Yellow marker = Foot section

Black marker = Backrest section

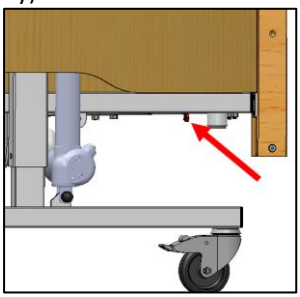


- Check whether the power cable is secured against unplugging with the use of a cover plate.



Source: DewertOkin GmbH

- Make sure that actuator cables have sufficient length and they are not over-tightened – the full range of movement for actuators should be possible.
- **Note: The two bed ends are identical but plugging them into the correct port is important for the tilt function to work as intended. Note the cable tie colour before plugging in.**
- Plug the power cable into the holder located on the lower part of the back section (Taurus beds only).



- Make sure that none of the actuator and/or handset cables are placed between moving parts of the bed and check that cables are not tight (especially the main power cable when lifting the bed up and down and/or backrest section control cable) to avoid possible damages. Damaged cables pose a risk of electric shock and/or fire.
- Make sure that both actuators (high/low) are plugged into the correct ports. If the Trendelenburg or reverse-Trendelenburg function does not work as expected, the high/low actuators can be connected in a wrong way.
- Untightening and break the seals or lid of the actuators, the control box or the power supply will create risk of electrocution and void the warranty.

- Damage to actuators or the control box will void the warranty.
- Breaking or damaging seals of actuators or the control box will void the warranty.

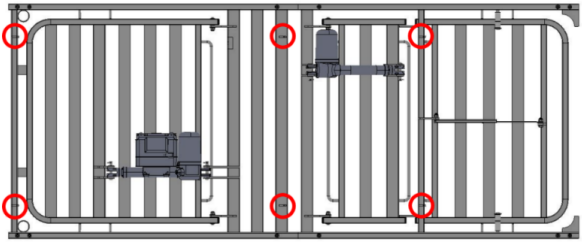
- Ensure all cables, in particular the mains cable, are free from moving parts and are not under excessive tension.
- Pulling the plug out of the socket is permissible only for holding the body of the plug / adapter, not the cord.

6.3.1. PLACEMENT OF POWER CABLE HOLDERS AND CABLE SCHEME

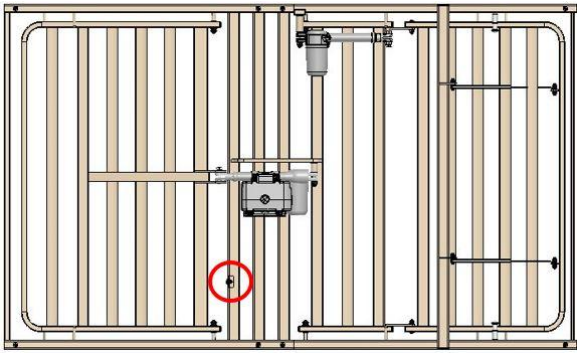
The Taurus bed is equipped with six holders and the Bariatric bed is equipped with one holder that enable to suspend the power cable under the mattress platform.

The figure below presents the position of holders.

Taurus bed



Bariatric bed



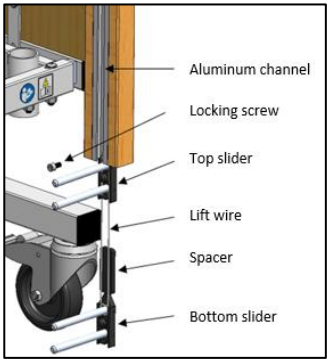
- All cables must be suspended under the mattress platform in holders designed for this purpose – protection against abrasion and touching the floor.
- Incorrect placement/deployment of the power cable may cause the damage or cut of the cable – this situation may expose live conductors (risk of electric shock).
- Consider the adequate placement of actuator and/or handset cables in order to minimize the risk of accidental suffocation as a result of the entanglement of the user and/or other people.

6.4. ASSEMBLY OF WOODEN SIDE RAILS

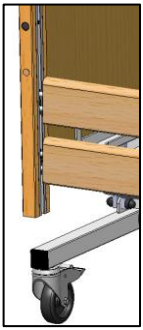
Before installation, make sure that the length of side rails is suitable for the length of the mattress's platform (standard or extended side rails).

- Lower/raise the bed to its medium height (see section 8.5.2 regarding the operation of the bed's electrical functions). Lower the side rails mechanism to the end of the aluminium channel by pressing lock buttons on each bed ends (see section 8.4.2).

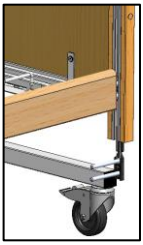
- On one side of the foot bed end, remove the locking screw of the side rails mechanism located at the bottom of the aluminium channel. **Do not disassemble locking screws on the head bed end.**
- Pull the side rails mechanisms out of the aluminium channel.

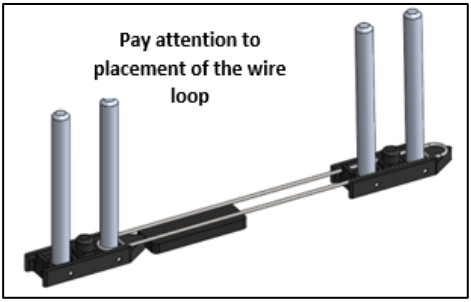


- Take two side rails (rounded surface facing up) and slide their ends on pins of sliders located in the aluminium channel at the head bed end. Carefully put other ends on the ground – paying particular attention to whether the opposite end is inserted to the correct depth to prevent them from falling out.

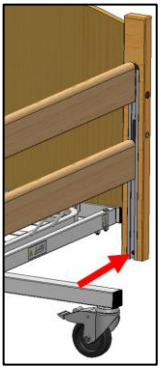


- Take the previously disassembled side rails mechanism, position the lift wire over the pins of the top slider, and then place the other end of the upper side rail on them (as shown in the picture). Place the top slider inside the aluminium channel. A second person should support the side rail at this point.





- While the top side rail is being held, insert the spacer into the aluminium channel, and then insert the top aluminium pin of the bottom slider into the lower hole of the lift wire. Next to, slide the end of the bottom side rail into the aluminium pins of the bottom slider and raise the side rails mechanism until you hear the sound of the side rail lock's blockade.
- Screw the previously removed locking screw to prevent the side rail mechanism from falling out of the aluminium channel, when it is in the lower position.
- Repeat the above-mentioned assembly steps for the side rails on the other side of the bed.
- Check that the side rails function properly and smoothly. Check that the side rails easily lock into the highest position to make sure that they are mounted in a right way.



Warning

- In case of any doubts concerning the installation of side rails, contact the supplier or manufacturer – inadequate assembly of side rails can lead to death.
- Side rails must be installed on both sides of the bed (on the side of the wall as well).
- With standard side rails, the maximum height of the mattress is 150 mm.
- In case of damage to the rails (bending, breaking, cracking etc.), they should be immediately replaced with new ones due to the risk of an accident.

6.5. CHECKING THE BED

The bed is fully assembled now. Before use, make sure it is assembled in a correct manner by answering the following questions:

- Ensure the correct side rails are fitted to the bed.
- Are the set screws and the locking screws in all 4 corners of the bed fully tightened?
- Are 2 set screws in the centre of the mattress platform (connecting two parts) fully tightened?
- Have all packaging elements been removed – e. g. cable ties securing movable sections?
- Are not cables tangled in moving parts of the bed and are they loose enough to ensure the appropriate mobility?
- Are there any objects in the area around the bed that prevent the correct functioning of the device?
- Do side rails move smoothly and lock automatically in the highest position?
- Are the locking screws for the side rails mechanisms inside the aluminium channel fully tightened?
- Has the assessment of the bed's suitability for use (and any additional equipment) been carried out?
- Are plugs of actuators and power cable (in the case of the Bariatric bed) in the power box secured with the provided cover cap?
- Has the power cable been secured to an auxiliary holder under the mattress platform?
- Has the bed (if necessary) been cleaned and disinfected before use?

In order to find details about the side rails and the mattress see section 16.1.

The bed cannot be used in case any screws are missing.

Make sure that all retaining straps have been removed from any bed parts. If not, the bed can be damaged.

7. TRAINING

Professional personnel should be appropriately familiarized with the functionality of the bed, its limitations and the target user group before use. The user's ability to operate the handset in an independent manner should be determined in acceptance with the risk assessment. The user should be familiarized with the handset and the functionality of the bed by a trained person as soon as possible – preferably before the use of this product. It is the responsibility of the end user to ensure they have received sufficient training to use the bed and any associated accessories safely and correctly.

It is the responsibility of the trained person to ensure that users are able to use this bed and any additional accessories in a safe and proper way. If the above-mentioned instructions are not sufficient and additional training is required, please contact the importer, your local supplier or the manufacturer, who is authorized to discuss training options.

8. FIRST USE

Before using the bed for the first time, a risk assessment must be performed on the basis of the user's condition and body build. This assessment should include, but it is not limited to:

- Possibility of user entrapment,
- Possibility of falling from the bed,
- Possibility of interference by young children (and adults),
- User with learning problems,
- Unauthorized persons,
- Physical and mental condition of users,
- Housing conditions,
- Use of side rails and other accessories.

- After assembling the bed, there should be no unused parts. However, the presence of spare parts (pins, holder, screws, etc.) should be taken into account to minimize the risk of ingestion by the patient, who use the bed and/or other persons – risk of choking.
- Bed's functions should be blocked if there is any doubt regarding the user's ability to operate the bed in a safe way.
- Before each use of the bed, check and lock all four wheels.
- It is forbidden to start and use the product with defects that may pose a risk to users or other persons.
- If children, adults with reduced cognitive/learning abilities or (even) pets pose a potential risk of intentional or unintentional manipulating the bed, consider its suitability for use during the initial risk assessment of the patient/product.
- The bed in LOW version does not meet the height range and underbed clearance requirements for the PN-EN 60601-2-52 standard. If the potential risk is implemented by the requirements of the patient of caregiver, the use of a bed with standard height should be considered.

Two bed ends (made of powder-coated steel) support the mattress platform, electrical system and a set of side rails to ensure patient's safety. The safe working load is 215 kg (for Taurus beds) and 368 kg (for Bariatric beds). The bed is equipped with 4 lockable wheels to allow manoeuvring the bed. However, the bed is not intended for transport of the patient. The bed can be disassembled into four separate parts that can be installed on transport stand delivered along with the bed – for easy transport and storage.

8.1. GENERAL SAFETY

- Before using the bed, make sure that objects such as a bedside table or other furniture are not obstacles.
- Before using the bed, make sure that the user is correctly positioned.
- Before leaving the user without any supervision, make sure that the bed is set to the minimum height.
- Keep a distance of at least 15 cm from walls.
- Make sure that electric cables are not overstretched.
- If the bed will be used along with a lift, make sure that there are no objects in the space under the bed before lowering the beds to its minimum height - risk of collision with the bed's frame.
- Make sure that each mattress has the right size and has been filled in a right way. Reha-Bed Sp. z o.o. offers suitable mattresses.

Leaving limbs or other objects between moving parts of the bed may injury/damage them or cause an accident.

Only medical mattresses are allowed. Using other types of mattresses may cause damage to the bed.

8.2. PREPARATION FOR COMMISSIONING

Before the first use of the bed, make sure that:

- the bed and all accessories have room temperature,
- the bed has been washed and disinfected (see section 11),
- the power cable is properly connected,
- after plugging the bed into the mains supply it was not attempted to operate at least 10 seconds, to allow the control system to initialise itself,
- brakes of all wheels are locked,
  - **Note**: before locking the wheels, make sure that they are parallel to the length of the bed and inwards – they cannot pose a tripping risk
  - **Note**: all four wheels should be locked to eliminate the accidental movement of the bed. If the bed will be used in a tilted position, it is recommended to unlock wheels from the foot bed end to prevent the wheels from rubbing against the floor when tilting. After reaching the required position of the mattress platform's tilting, block the wheels again
- all electrical functions (controlled by the handset) work properly,
- the mattress platform is placed horizontally,

- the handset's functions are locked/unlocked (depending on the assessment of the patient's condition and the environment – see section 8.5.3)
- the bed is placed horizontally on a flat surface so all the castors touch the ground.

- If electrical functions do not work properly, make sure that the handset is unlocked (see chapter 8.5.3).
- The bed is to be left in its lowest position when the patient is unattended in order to reduce the risk of injury due to a fall.
- Before operating the bed ensure the patient is positioned appropriately ensuring all limbs are clear of moving parts.
- Consideration is to be taken in the positioning of the bed cables and handset cable to minimise the risk of accidental strangulation resulting from baby, child or bed occupant entanglement.
- Ensure that any mattresses used are of the correct size and type and have been fitted correctly – Incorrect mattress specification could lead to an entrapment and / or falls hazard.
- Ensure the mattress is compatible with the side rails (if fitted).
- The patient should not be left in the Trendelenburg or reverse Trendelenburg position!

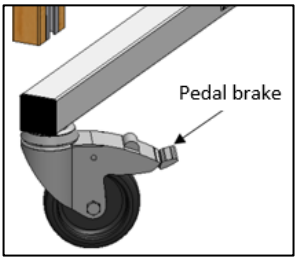
- Only medical mattresses are allowed. Using other types of mattresses may cause damage to the bed.
- Ensure the bed is positioned an appropriate distance from walls / other furniture to prevent damage or patient injury when operating the bed (particularly when operating it in tilt).

8.3. BRAKE SYSTEM

The bed is equipped with 4 wheels with brakes.

- To block the brake, press the brake pedal.
- To release the brake, lift the brake pedal.

For safety reasons, wheels should be blocked with the foot (not with the use of a hand), and the manufacturer recommends wearing adequate footwear.



During normal use, all wheels should be locked – wheels at the foot bed end should be unlocked when using the tilt function.

Wheels should be locked / unlocked by foot, not by hand.

8.4. SIDE RAILS AND MATTRESS

Taurus and Bariatric beds are fitted with wooden side rails along the whole length of the bed (as the standard).

Characteristics of the mattresses and the side rails tested and approved by the manufacturer can be found in the section 15.3.

Manufacturer only recommends the use of manufacturers side rails with this bed. Manufacturer does not recommend the use of the bed and side rails when caring for individuals who are less than 146cm in length - It is the equipment provider's responsibility to ensure suitability for use.

- Whilst every care has been taken to ensure that the design of the side rails meet the relevant safety standards, beds fitted with side rails can still pose a potential risk of death from entrapment and asphyxiation.
- All staff responsible for the purchase, selection for use, and adjusting of bed side rails should be aware of the potential risk of entrapment and asphyxiation when a bed is occupied.
- Care must be taken when positioning and adjusting bed side rails to ensure that any spaces between the bed side rails, mattress or bed frame will not allow entrapment of the occupant's head or body. In addition, consideration should be given to the size and physiological condition of the occupant and an assessment undertaken to ensure that the spacing between the bars of the bed side rails is not wide enough to present a potential risk of entrapment and asphyxiation. All staff responsible are to be aware that increased vigilance is required when nursing patients in beds fitted with bed side rails.

8.4.1. HEIGHT OF THE MATTRESS

- The standard height side rails enable to use mattress with a maximum height of 150 cm.
- Side rails may only be used with a mattress of the proper size and type – intended for use in electric beds.

- The use of side rails that have not been approved for use with the bed is unacceptable due to the risk of loss of health or life.

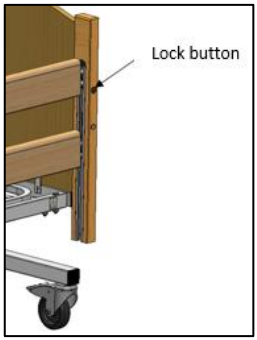
8.4.2. USE OF SIDE RAILS

To lower side rails:

- Gently lift the top side rail.
- Press the side rail's lock release button.
- Gently lower side rails (this action does not require the continuous pressing of the release button).

To raise side rails:

- Raise the top side rail until you will hear the lock click into the highest position at both ends of the bed.



- After raising side rails, make sure that they are locked in order to avoid trapping and/or injury.
- Before using side rails, make sure that no limbs or objects are placed between side rails due to the risk of trapping and/or injury, as well as damage to side rails or the bed's frame.
- Side rails are not designed to support the user.
- Side rails are not designed to assist the user while lifting from the bed.
- When leaving the bed, do not hold the side rails – risk of trapping /crushing finger(s) when the weight of the patient's legs causes side rail's bending and closing the gap between side rails.
- When operating the side rails ensure they are free from obstructions, to prevent injury or entrapment.
- In the absence of supervision of the patient (if such circumstances occur), the bed should be set to the highest position of side rails on both sides of the bed. Unlocking and lowering them can be done only by the person responsible (care person or nurse).

- Do not use side rails to transport the bed – the risk of damaging side rails/bed's frame.
- Do not use side rails as a positioning and/or lifting aid – the risk of damaging side rails and/or the bed.
- Hold the side rail when lowering.

8.5. ELECTRICAL CONTROL

Taurus and Bariatric beds are equipped with a 9-button or 10-button easy-to-use handset. It is intended for use by both the patient and the caregiver. Thanks to the use of the handset, it is possible to control the electronic, linear system of actuators, which are controlled by the central control box. Actuators are attached to moving parts of the bed's frame. This enables to change their position with the use of the handset. Pressing the appropriate button activates the selected function, and releasing completes the operation and stops all movements. The caregiver has the option of blocking the bed's functions (if necessary) in order to reduce the risk of accidental and/or unintentional operation of the bed. The caregiver is responsible for determining whether the patient is mentally and physically enable to operate the bed's functions with a minimal risk of injury or damage to the body.

During the operation of the bed position by the caregiver, make sure that the user is informed about the change in the position of the mattress platform.

9-button handset is recommended for use in a home environment.

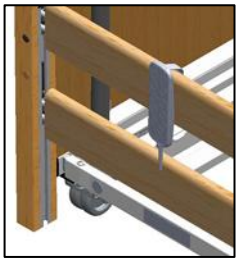
- Make sure that the risk of independent operation of the handset by the bed user and visitors was evaluated.
- Consider the route of the handset cable in terms of the risk of accidental strangulation of the bed user or other persons – if the cable poses an unacceptable risk, it is recommended to remove the handset from the bed space.
- Before lowering the bed, make sure that no one is under the mattress platform – risk of crushing.
- Before lowering the bed, make sure that feet/limbs are not located near wheels or under the square timbers (long wooden ends of the bed ends) due to the risk of crushing.
- It is forbidden to use any glowing or burning objects (candles, cigarettes, etc.) in the bed's area – the risk of damage to the electrical system leading to a fire.
- It is forbidden to use actuators in the presence of flammable gases and/or in oxygen-rich environments due to the risk of explosion/fire.
- For safety reasons, in a domestic environment, it is recommended to use a 9-button handset (without the function of tilting – head down).

Caution

Using the bed without any breaks for a long period of time or exceeding the operating time of the control box and/or actuators may cause temporary shutdown or irreversible damage to the electrical system. In such a case, disconnect the power cable from the mains before using the device again. The system should rest for 20-30 minutes before the restart.

8.5.1. LOCATION OF THE HANDSET

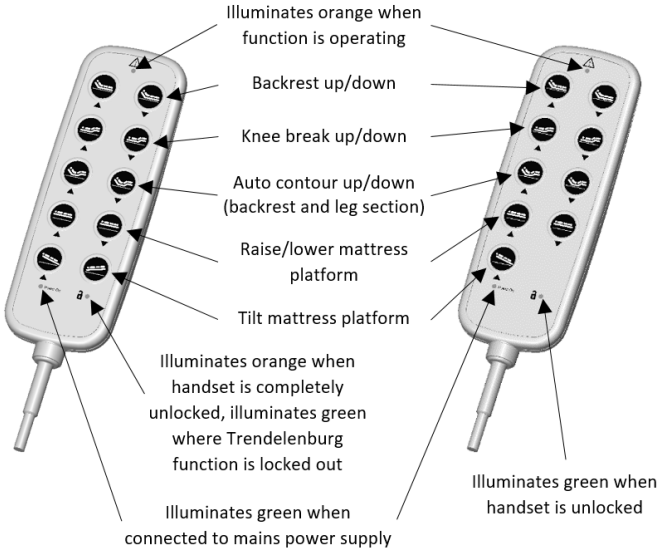
The handset should be hung on side rail with special care concerning the location of the cable leading to the control box.



Warning

If the user is left unattended, manufacturer recommends that all functions of the handset should be locked in order to minimize the risk of unauthorized operation and accidental suffocation.

8.5.2. OPERATION OF 10-BUTTON AND 9-BUTTON HANDSETS



Note: when the bed is in the tilt position (even if the Trendelenburg function is locked), levelling the mattress platform is carried out through the adjustment of the mattress platform high, by lifting the platform upwards (maximum value) or lowering down (maximum value) – until the mattress platform is levelled.

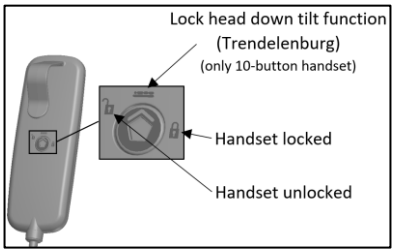
- Activate the lock function if there is a risk of injury to the user as a result of accidental change in the mattress platform position.
- If there is a potential risk of intentional or unintentional manipulation of the bed by children, adults with learning difficulties or (even) pets, the caregiver should consider the activation of the lock function.
- Consider storing the handset's locking key away from the bed in order to minimize the risk of ingestion and choking by a child, bed user or another person.
- Consider also the appropriate place for storage of the key in the bed's area in order to minimize the risk of unlocking the handset by an unauthorized person.
- The bed is not fitted with a battery backup facility, so it must always be plugged into the mains supply during normal use.
- If patient requirements are such that Trendelenburg functionality is still deemed to pose a potential risk a replacement handset can be purchased with the Trendelenburg function removed - to order or to request further information contact the importer, your local distributor or the manufacturer.

8.5.3. LOCK FUNCTION OF THE HANDSET

The handset is equipped with a lock function that enables the caregiver to lock the bed's functions or the Trendelenburg function (only in the case of 10-button handset) with the use of a mechanical or magnetic key (an appropriate key is included in the instruction manual). The use of the handset lock function depends on the caregiver's decision.

To lock/unlock the handset with the use of a mechanical key

Turn the handset over, put the key in the recess on the back of the handset, turn the key (fully) clockwise to lock or counter clockwise to unlock functions.



To lock/unlock the Trendelenburg function with the use of a mechanical key (only in the case of 10-button handset):

Turn the handset over, put the key in the recess on the back of the handset, turn the lock to the place indicated in the picture above.

To lock/unlock the handset with the use of a magnetic key, slide the key over the handset – in the place marked with an open/close padlock.

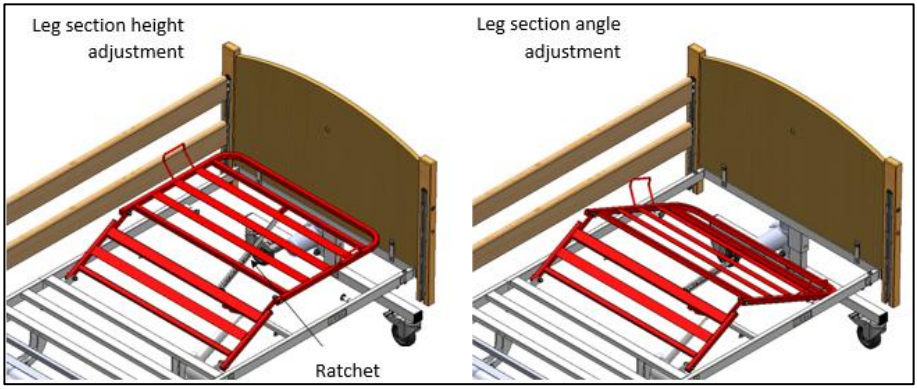
Note: Functions of the handset should be disabled when the bed is put into service.

Engage the lockout function if a patient could be injured due to inadvertent motion of the mattress platform.

8.6. LEG SECTION

Note: The operation of the leg section is dependent on the position of the ratchet as detailed below.

The bed is fitted with an adjustable leg section. When the leg section function on the handset is operated the height or angle of the leg section is adjusted, depending on whether or not the leg section ratchet is set.



Setting the bed so that the leg section <u>height adjustment</u> operates:

- Raise the leg section to the maximum height by pressing the button on the handset.
- Manually lift the leg section (with the use of handles) until the latch is locked in the ratchet (the leg section is now supported by the ratchet).
- The leg section will now move parallel to the mattress platform along with the change of its height – with the use of the adequate function on the handset.
- Once the leg section has been fully lowered the leg section will default back to angle adjustment only.

Setting the bed so that the leg section angle adjustment operates:

- Raise the leg section to the selected height on the handset (the height is not important).
- Manually lift the leg section in order to disengage the ratchet (if in doubt lift the leg section to the ratchet's maximum extent).
- Gently lower the leg section down.
- Set the selected leg section's angle.

Note: To unlock (reset) the ratchet, use handles to lift the thigh section to the maximum position.

Before attempting to lift the leg section either:

- Ensure there is no load on the foot section, or
- Support the foot section with a second able bodied person.

The leg section is only to be used for the lifting of a patient's legs – Any other use may damage the bed frame.

9. DISASSEMBLING THE BED FOR TRANSPORT

- Before attempting to disassemble the bed ensure these instructions have been read and fully understood.
- Ensure a risk assessment in line with local health and safety policy is undertaken to ensure that staff are not put at risk when performing disassembly activities.
- Be especially careful when assembling the bed on the transport stand. Individual sections of the bed are heavy – see section 15.
- It is advisable to assemble the bed with a second able bodied person.

Side rails

- Raise/lower the bed to its medium height – make sure that the mattress's platform is levelled.
- Raise the side rails to its highest position.
- Unscrew the locking screw of the side rails mechanism in one of the aluminium channels.
- Carefully lower the side rails at the bed end with the removed screw – until the sliding system fully comes out of the channel.
- Gently remove all side rails.
- Place the side rails mechanism back in the aluminium channel (see section 6.4).
- Re-screw the side rails mechanism's locking screw.
- Repeat the above-mentioned steps for the other side of the bed.

Electrics

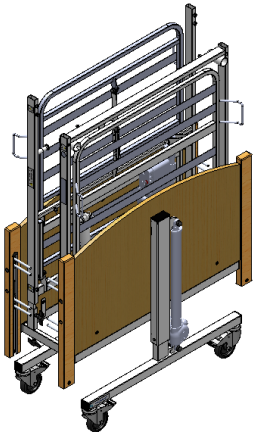
- Lower backrest and leg sections, and then the whole mattress platform to its lowest position.
- Disconnect the mains plug from the socket.
- Use a flat head screwdriver to remove a plastic cover from the control box.
- Disconnect actuator plugs from the control box: up-down, leg section and the handset.

Bed frame

- Use, for example, cable ties (stretch foil, tape, etc.) to secure movable parts of the back and leg frames – they should be absolutely still.
- Unlock wheel brakes.
- Loosen set screws in the centre of the bed's frame.
- Hold both parts of the bed's frame, split the bed in two parts and gently lay it on the floor – consider the assistance of an additional person (if possible).
- Lock wheel brakes.

- Unscrew set screws and dome screws located at mattress platform near to one of bed ends.
- Holding the bed ends, slide out half of the mattress platform and gently lay both parts on the floor or lean against the wall.
- Repeat the above-mentioned steps for the other half of the bed.

Placing on the transport stand



- Place both transport stand on one bed end – pay special attention to stands, which are oriented in the correct direction.
- **Tighten adequate knobs on each stands.**
- Fit the opposite bed end on the transport stand.
- **Tighten adequate knobs on each stands.**
- Lock the castors.
- Loosen knobs on the vertical tube of the transport stand.
- Before lifting backrest and leg sections, make sure that moving parts are secured with cable ties, stretch foil, tape, etc.
- Carefully lift the backrest section, and then place connectors inside tubes in transport stands. Make sure that electrical parts are located on the inner side of the bed.
- **Tighten adequate knobs on transport stands.**
- Carefully lift the leg section, and then lower it on flat bars (vertical guides of the transport stands). Make sure that electrical parts are located on the inner side of the bed.
- **Tighten locking screws on the leg frame.**
- Make sure that all cables are neatly rolled up, they do not touch the floor and they are not stretched. The instruction manual and the control box cover should be properly packed and attached to the bed.

- The bed cannot be transported if there are missing knobs or set screws in the transport stand, and any of the movable section is not secure immovable. The risk of the bed collapsing.
- Make sure that moving parts were secured with cable ties, stretch foil (etc.) – the risk of uncontrolled movements of individual sections during transport.
- During transport hold only the constant parts of bed construction.

10. POWER FAILURES

Depending on the type of control box, the bed **may optionally be equipped** with an additional emergency power supply. The Taurus bed may be equipped with the Battery Backup System (ECS), while the Bariatric bed may be equipped with the Battery Backup System (MCLII) or the Emergency Lowering System (MCLII). Emergency systems allow a limited number of movements (raising and lowering) in emergency situations, depending on the battery charge level or condition, as well as on the type of bed and the applied load. Bed functions may operate more slowly due to battery power.

If the bed is not equipped with an additional emergency power supply, in the event of a power failure the electric functions of the bed will not operate, resulting in the backrest and/or leg sections and the position of the mattress platform remaining in the last used position (e.g. raised).

The **Battery Backup System (ECS)** is an additional emergency power supply system integrated with the ECS control box. A bed fitted with a standard control box does not allow battery installation; a dedicated control box equipped with a socket for two 9V batteries must be ordered instead.

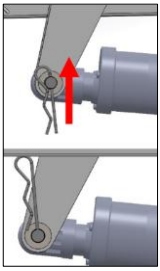
The **Battery Backup System (MCLII)** is an additional emergency power supply system based on three 9V batteries. The system is connected to an input in the dedicated MCLII control box; a bed fitted with a standard control box does not have the appropriate input.

The **Emergency Lowering System** is an emergency lowering system based on a rechargeable battery, mounted directly on the bed frame. The Emergency Lowering System charges continuously when the bed is connected to the mains power supply in order to maintain a fully charged state. The bed operates normally during charging. There is no audible or visual signal indicating charging or use of the system.

Make sure that the backup power system is not exposed to direct sunlight or other heat source – direct heating of the battery by an external heat source may result in a risk of fire or explosion.

Do not use the emergency power system during normal use (i. e. when the bed is disconnected from the mains) – due to the risk of shortening the battery life.

10.1. EMERGENCY LOWERING THE BACK SECTION AND THE LEG SECTION



The backrest and leg sections are controlled by two separate actuators located under the mattress platform. In the event of a power failure and the lack of emergency power supply kit, please follow the instructions below to lower the selected section:

- If either the backrest or leg section is raised, locate the actuator supporting the relevant section.
- Hold a chosen section – an additional person should support a certain section (if possible).
- Remove the retaining pin and the clevis pin holding the actuators piston in place (**only on one side!**).
- Remove the piston by placing it gently on the floor – it can hang down.
- Gently lower the section to the horizontal position.

- If the section should be lowered while the patient is in the bed, a risk assessment consistent with local health and safety regulations ought to be carried out in order to determine if it is possible to levelled the section with the load in a safe way.
- **After the removal of the clevis pin holding the actuator, the section is not supported in any way – a person holding the section frame must be prepared to carry this section's weight.**
- The above-mentioned activities should be conducted by two persons.
- Pay special attention to objects and parts of the body that may be crushed between frames of the section and the mattress platform.

11. DECONTAMINATION

Infection control and routine cleaning should be carried out in acceptance with the local infection control schedule or recommendations from the local regulatory authorities.

- Always disconnect the bed from the main power supply prior to cleaning.
- Ensure all ports on the electrical system (control box and actuators) have cable plugs inserted to maintain the IP rating.
- Regular cleaning and disinfection of the bed and relevant accessories reduce the risk of infection to the user and/or the caregiver.
- Before transferring the bed and/or additional accessories to another user, ensure it has been cleaned and disinfected using the method as detailed below to help prevent the risk of cross infection.

Before the beginning of disinfection and cleaning operations, it is advisable to remove any accessories that are fastened to the bed.

These instructions apply to all accessories (with the exception of mattresses).

General cleaning:

- The bed should be cleaned by starting with the cleanest parts of the bed and systematically moving to the dirtiest parts. Extra care should be taken around areas where excess dirt or dust may gather.
- The cloth should be changed during the cleaning process if it becomes soiled.
- Wipe down with a clean cloth moistened with a mild detergent and dilute with warm water (40°C).
- Gently wipe all surfaces with cold, clean water and immediately dry them with a dry cloth – they must be completely dry before being used again.

Disinfection:

- Mop up any fluid with paper towels.
- Wipe bed down using cold clean water.
- Wipe down with a 0.1% Chlorine solution (1,000 ppm) in cold water.
- Gently wipe all surfaces with cold, clean water and immediately dry them with a dry cloth – they must be completely dry before being used again.
- Always ensure the cleaned parts are allowed to dry before putting the mattress back in place.

In cases of blood spills or other bodily fluids it is recommended that a 1% Chlorine solution (10,000 ppm) is used instead.

Note: If any of the stages stated above are omitted or combined it will reduce the effectiveness of the clean.

Note: The use of neat bleach or similar surface cleaners is not recommended as damage may be caused to the cleaned surfaces.

- During decontamination use appropriate protective cover to minimize contact of these measures with the skin. Always check what neutralizing agent is recommended by the manufacturer.
- Decontamination procedure performed by an unauthorized person pose a threat to the person as well as the environment.
- The bed manufacturer assumes no responsibility for any loss or damage caused by improperly conducted decontamination.
- Pay special attention to the decontaminator does not get into the electronic system, sockets and other electrical components - the possibility of a short circuit.

12. MAINTENANCE AND INSPECTIONS

Only authorized service personnel and employees of Reha-Bed Sp. z o.o. are entitled to repair the bed or interfere with its structure. Reha-Bed Sp. z o.o. is not responsible for repairs carried out by unauthorized service technicians. Failure to observe the rule may result in the manufacturer's warranty becoming void. Beds can be inspected by trained person and service personnel. All types of beds should be inspected at least once a year. Reha-Bed Sp. z o.o. recommends that the caregiver conduct frequent visual and functional checks of the bed and its functionality. In the case of visible signs of damage or if the bed does not function in a right way, it should be withdrawn from service until it has been repaired and is ready for use again.

Periodically check to ensure that:

- The bed operates as per its intended purpose.
- No parts are missing and all fasteners are tightened carefully.
- All accessories and additional equipment are fitted in a right way.
- Parts do not show signs of excessive wear (including no cracks near welded areas).
- The frame is mechanically operational.
- The electrical components display no sign of damage – otherwise, immediately disconnect the bed from the mains and remove from use.
- The bed is cleaned following the guidelines in this Instruction Manual.

12.1. GENERAL INSPECTION

The manufacturer recommends that the beds are serviced once yearly, as a minimum. Please act accordingly with the following instructions:

- Failure to perform inspections at the recommended frequency could adversely affect the basic operation of the bed and (consequently) put the patient at risk.
- Always disconnect the bed from the power supply before performing any maintenance procedures (with the exception of checking electrical functions of the bed).
- Modification of the bed frame is not allowed without the permission of the manufacturer - A hazard could be introduced.
- The bed should be vacated by the patient before any maintenance or inspection takes place. If this is not possible due to the patient's mobility, care should be taken for the service engineer not to make contact with the patient when working on electrical items.
- Electrical system components are only to be replaced by authorised service personnel or service engineer.

- Only manufacturer approved components (for Taurus and Bariatric beds) can be used – if in doubt contact the manufacturer or your local distributor.
- Attempts to change the wiring of any bed components are strictly forbidden.
- Over time, the auxiliary emergency power supply may emit an increased amount of flammable gas – this creates a risk of explosion/fire. Reha-Bed Sp. z o.o. recommends the replacement of batteries every 4 years or earlier.

- Check if all electrical functions operate correctly.
- Check if all electrical cables are in good condition.
- Check if the mains power cable, power supply, plugs, actuator cables and handset cables are in a good condition. If not, disconnect the bed from the mains and withdraw from use until spare parts are available. If whichever is damaged it must be replaced as a complete assembly, the plug or cable must never be re-wired.
- Check if cover/covers protecting the actuator plugs and the power cable plug in the control box is/are fitted.
- Check if all nuts, screws and fasteners are tight and that none are missing or incomplete.
- Check if all screws and knobs are present.
- Check if the backrest section is mechanically operational.
- Check if the leg section (including the knee break functions) work correctly.
- Check if all labels and stickers are present and legible.
- Raise and lower the side rails – check if they move smoothly.
- Check if aluminum channels at the bed ends operate correctly.
- Check if the lock on the side rails automatically engages when raised.
- Check if the castors lock function works correctly and that when locked castors do not move.
- Check if the bed's frame does not show signs of excessive wear (in particular whether there are no cracks near welds).
- Check the condition and voltage of batteries for the emergency power system. It is recommended to replace them when the battery conditions or nominal voltage is abnormal.
- If any gaps appear to be outside of specification remove the bed from use until the dimension of the gap in question has been confirmed.

If in doubt about correct replacement of a component contact your local distributor or manufacturer. Check the list of spare parts containing information about the component codes and assembly details – a copy is available in your local distributor.

12.2. SERVICE LIFE

The service life of the Taurus and Bariatric range beds is 10 years*, with the exception of the emergency power systems and the mattresses. On the basis that the bed and its associated accessories are serviced and maintained in acceptance with the information detailed in these instructions for use and the individual instructions provided with the accessory in question.

At the end of service life, the bed should be withdrawn from use in accordance with local waste management policy.

*Not applicable to the electrical components – see section 15.4.

12.3. FAULT FINDING

The most common failures/operating errors that may occur while using the bed are described below. In the event of any fault, use the instructions below that may help you to diagnose the fault or contact the service department.

Description of the failure	Possible cause	Remedy
Electrical functions do not work	Functions locked out on handset	Unlock the functions with a key (see section 8.5.3)
	Mains cable not plugged into the control box or socket	Check to see if the 'power on' light on the handset is on and the mains cable is plugged in at both ends
	Fuse blown in the mains plug	Check to see if the 'power on' light on the handset is on, if not turn off the device, unplug the mains cable and contact the approved service department
	Actuator / handset cables not plugged in	Check plug connections on the control box
	Damage to mains cable, actuator cable or handset cables	Disconnect the bed from the mains power supply and contact the service department
	Work cycle of the control box has been exceeded – possible permanent damage	It is necessary to purchase a new control box
Electrical functions working slow	Heavy load on the bed	Remove the load
	The bed is powered by an emergency power system	Check that the power cable is connected at both ends and check that the power indicator illuminates on the handset
Incorrect functions operate while controlling the handset	Actuator plugs are plugged into the bad ports in the control box	Check that the connected cables correspond to the markings on the control box – correct connection is described in section 6.3.
The bed is unstable	Loose set screws	Tighten set screws

During the adjustment and maintenance attention should be paid to ensure that no part of the body is found in the potentially hazardous section (movable: headrest section, leg section, high / low system, side rails).

13. DISPOSAL OF PARTS

When the bed frame / electrical system has come to the end of its useful life follow local recycling and W.E.E.E. (Waste Electrical and Electronic Equipment) policies.

The electrical system on the bed frame is not to be disposed of in general municipal waste. Some of the electrical components could be harmful to the environment and where viable the components can be recovered and reused / recycled.

The steel, plastic and wooden components are also to be separated and disposed of following the local recycling policy as these can also be recovered and recycled.

The bed is to be decontaminated before disposal to avoid risk of cross contamination.

14. ELECTROMAGNETIC COMPATIBILITY (EMC)

The electrical system has been designed to meet the necessary EMC requirements (PN-EN 60601-1-2 standard) however it may still be affected by or emit harmful radio frequency (RF) energy. The RF emissions from the electrical system are very low and are not likely to cause any interference to nearby electronic equipment, however interference to sensitive equipment is still possible. Likewise, if the immunity limits of the electrical system are exceeded the system may be seen to operate abnormally.

Interference can be received from fixed transmitters (e.g. commercial radio and television towers) and portable / mobile RF communications equipment (e.g. mobile phones). Due to the increasing number of mobile phones and other wireless devices the possibilities of interference to the electrical system and other surrounding equipment results in the need for special precautions to be taken regarding EMC.

If the bed or any alternative equipment is found to be operating abnormally turn off the piece of equipment that is believed to be causing the interference (if possible) to identify the source of the RF energy. Once identified mitigation measures are to be taken, such as the separation distances being increased and / or the device(s) being re-orientated.

If the bed continues to operate abnormally disconnect it from the mains supply and contact your local distributor.

- The bed should not be used adjacent to or stacked with other medical electrical equipment, where viable. If adjacent or stacked use is necessary, the bed and associated medical electrical equipment should be observed to verify normal operation - If not taken into account abnormal operation could occur.
- The use of accessories and cables other than components specified or provided by the manufacturer may increase the electromagnetic emission of the bed and cause malfunction.
- Portable RF communications equipment (including peripheral devices – such as antenna cables and external antennas) should not be used closer than 30 cm from any part of the bed (including cables). Otherwise, performance may be deteriorated.

15. SPECIFICATION

15.1. TECHNICAL DATA OF THE BED

		TAURUS	TAURUS LUX	TAURUS SILVER LUX	TAURUS LOW	TAURUS LOW LUX	TAURUS SILVER LOW LUX	TAURUS 4P
Overall length		2180 mm	2230 mm	2230 mm	2180 mm	2230 mm	2230 mm	2180 mm
Overall width		1050 mm						
Mattress platform height range		390-810 mm	390-810 mm	385-805 mm	195-615 mm	195-615 mm	190-610 mm	390-810 mm
Under bed clearance (up to the metal frame)		135 mm	135 mm	130 mm	28 mm	28 mm	23 mm	135 mm
Under bed clearance (up to the actuator)		225 mm	225 mm	220 mm	25 mm	25 mm	20 mm	225 mm
Mattress platform length		2000 mm						
Mattress platform width		900 mm						
Backrest section tilt		0 - 72°						
Thigh section tilt		0 - 30°						
Calf section tilt		0 - 24°						
Maximum calf section height		160 mm						
Trendelenburg / reverse-Trendelenburg tilt		0 - 12°						
Part weights	Footend mattress platform	17 kg	17 kg	20 kg	17 kg	17 kg	20 kg	19,5 kg
	Headend mattress platform	18,5 kg	18,5 kg	21,5 kg	18,5 kg	18,5 kg	21,5 kg	19,5 kg
	Bed end (each)	20 kg	23,5 kg	23,5 kg	20,5 kg	24 kg	24 kg	20 kg
	Side rails (set)	10,5 kg						
Overall bed weight		86 kg	93 kg	99 kg	87 kg	94 kg	100 kg	90 kg
Overall bed weight on the transport stand		88 kg	95 kg	101 kg	89 kg	96 kg	102 kg	92 kg

		TAURUS MINI 900x1900	TAURUS MINI 780x2000	TAURUS MINI 780x1900	TAURUS MINI LUX 900x1900	TAURUS MINI LUX 780x2000	TAURUS MINI LUX 780x1900
Overall length		2080 mm	2180 mm	2080 mm	2120 mm	2230 mm	2120 mm
Overall width		1050 mm	930 mm	930 mm	1050 mm	930 mm	930 mm
Mattress platform height range		390-810 mm					
Under bed clearance (up to the metal frame)		135 mm					
Under bed clearance (up to the actuator)		225 mm					
Mattress platform length		1900 mm	2000 mm	1900 mm	1900 mm	2000 mm	1900 mm
Mattress platform width		900 mm	780 mm	780 mm	900 mm	780 mm	780 mm
Backrest section tilt		0 - 72°					
Thigh section tilt		0 - 30°					
Calf section tilt		0 - 24°					
Maximum calf section height		155 mm					
Trendelenburg / reverse-Trendelenburg tilt		0 - 12°					
Part weights	Footend mattress platform	17 kg	17 kg	16,5 kg	17 kg	17 kg	16,5 kg
	Headend mattress platform	18,5 kg	18,5 kg	18 kg	18,5 kg	18,5 kg	18 kg
	Bed end (each)	20 kg	18,5 kg	18,5 kg	23,5 kg	22 kg	22 kg
	Side rails (set)	9,5 kg	10,5 kg	9,5 kg	9,5 kg	10,5 kg	9,5 kg
Overall bed weight		85 kg	83 kg	81 kg	92 kg	90 kg	88 kg
Overall bed weight on the transport stand		87 kg	85 kg	83 kg	94 kg	92 kg	90 kg

		BARIATRIC	BARIATRIC LUX	BARIATRIC SILVER LUX	BARIATRIC LOW	BARIATRIC LOW LUX
Overall length		2235 mm	2235 mm	2235 mm	2235 mm	2235 mm
Overall width		1350 mm				
Mattress platform height range		385-750 mm	385-750 mm	385-750 mm	260-625 mm	260-625 mm
Under bed clearance (up to the metal frame)		135 mm	135 mm	135 mm	33 mm	33 mm
Under bed clearance (up to the actuator)		220 mm	220 mm	220 mm	86 mm	86 mm
Mattress platform length		2000 mm				
Mattress platform width		1200 mm				
Backrest section tilt		0 - 67°				
Thigh section tilt		0 - 33°				
Calf section tilt		0 - 29°				
Maximum calf section height		210 mm				
Trendelenburg / reverse-Trendelenburg tilt		0 - 10°				
Part weights	Footend mattress platform	30 kg	30 kg	35 kg	30 kg	30 kg
	Headend mattress platform	38 kg	38 kg	43 kg	38 kg	38 kg
	Bed end (each)	35 kg	41 kg	41 kg	35 kg	41 kg
	Side rails (set)	17,5 kg				
Overall bed weight		155,5 kg	167,5 kg	177,5 kg	155,5 kg	167,5 kg
Overall bed weight on the transport stand		159 kg	171 kg	181 kg	159 kg	171 kg

The bed data identify the maximum angles which can be achieved in normal use by each part of the mattress support platform with reference to horizontal. Mattress platform height is defined as the maximum and minimum height from the floor which can be achieved by the mattress support platform in normal use.

- As standard, the bed is delivered with a 10-button handset (with the function of Trendelenburg tilting). However, the user (caregiver) should be aware that the requirements of PN-EN 60601-2-52 concerning the Trendelenburg tilt in a medical care environment are not met for the Bariatric range beds.
- If patient requirements are such that Trendelenburg functionality is deemed to pose a potential risk a replacement handset can be purchased with the Trendelenburg function removed – for details contact with your local distributor or the manufacturer

15.2. MAXIMUM LOAD

	TAURUS	BARIATRIC	LIFTING POLE
Safe working load	215 kg	368 kg	80 kg
Maximum User weight	178 kg	318 kg	-

The safe working load is the sum of the weight of: patient/user, mattress, accessories, loads carried by accessories (excluding the patient's weight).

The above-listed maximum loads refer to a bed used by one person only. The bed is not designed to carry the weight of guests seated at the side of the bed. Additional weight can damage components or make the bed unstable – creating a risk of injury.

15.3. TECHNICAL DATA OF SIDE RAILS

Taurus and Bariatric beds have been tested and approved with wooden side rails along the entire length of the mattress platform. The table below presents the basic dimensions of side rails that can be used with selected beds.

DIMENSIONS OF SIDE RAILS (1 pc.)	Length x Height x Width [mm]
TAURUS*	1986x85x28; 1986x95x28; 1986x100x28; 2175x95x28; 2175x100x28
BARIATRIC	2000x100x32; 2225x100x32
	** Dimension depends on the selected option*

The manufacturer recommends the use (only) the manufacturer's side rails along with his beds. The manufacturer does not recommend the use of Taurus and Bariatric range beds with side rails for patients with a height of less than 146 cm – the equipment supplier is responsible for ensuring the suitability for use.

- Despite the fact that the manufacturer made every effort to ensure that the design of side rails meets the appropriate safety standards, side rails may still pose a potential risk of death resulting from entrapment and/or suffocation.
- Persons responsible for the sale/purchase, selection for use and adjustment of side rails, should be aware of the potential risk regarding entrapment and/or suffocation when the bed is in use.
- When positioning and adjusting the side rails, make sure that all spaces between side rails, mattress and bed frame will not block the patient's head and body. Furthermore, the size and physiological condition of the patient should be considered. Conduct an assessment in order to ensure that the gaps between side rails are not large enough to create a potential risk of entrapment and/or suffocation. All persons responsible for the patient care must be aware that increased vigilance is required when a patient lies on the bed with side rails.

Only medical mattresses may be used. The use of other types of mattresses may damage the bed.

15.4. ELECTRICAL DATA

	Power plug	MCL II control box	ECS control box
Voltage in:	100 - 240V, 50/60Hz	100 – 240V, 50/60Hz	24-29V
Current in:	max. 2A	Max. 3,15A	max. 8A
Standby power:	≤ 0.5W	-	-
Electric shock protection:	Class II	Class II	Class II
Duty cycle:*	10% **2 min** of continuous use followed by **18 min** not in use 5 switching cycles per one minute		

*Electrically operated beds are intended to be operated intermittently rather than continuously. If the bed is operated continuously for up to 2 minutes it must then be left for at least 18 minutes before reuse to allow the electrical system to cool sufficiently. If the bed is continuously used for an extended period of time and it exceeds the duty cycle the control box may become temporarily disabled or irreparably damaged.
No more than two drives may be operated at rated load simultaneously!

Safety standards:	IEC 60601-1: 2005 IEC 60601-2-52:2009 IEC 60601-1-11:2010
Applied part electrical shock protection:	BF type
Applied parts:	Mattress platform Profiling sections Bed ends Handset Side rails
Liquid ingress protection:	IPX4 – protection against water splashes
Noise level:	67dB(A)
Service life:	5 years

Environmental conditions:

	Operational limits*	Transportation/storage limits
Ambient temperature:	+10ºC do +40°C	-20°C do +50ºC
Humidity:	30% - 75%	30% - 75%
Atmospheric pressure:	From 800 to 1060 hPa	From 800 to 1060 hPa
Altitude above sea / ground level:	≤ 2000 m	≤ 2000 m

* Always ensure the bed is brought up / down to room temperature before plugging in and operating. It is recommended to leave the bed for at least 2 hours in order to ensure that it reaches room temperature.

16. ACCESSORIES

Taurus and Bariatric beds have been tested and approved with the following accessories:

	TAURUS	BARIATRIC
Lifting pole with a handle	✓	
Reinforced lifting pole with a handle		✓
Bed extension of Taurus bed mattress platform (+mattress extension)*	✓	
Bed extension of Bariatric bed mattress platform (+mattress extension)*		✓
Height extension for Taurus bed side rails*	✓	
Height extension for Bariatric bed side rails*		✓
Drip holder	✓	✓
Urological bag holder	✓	✓
Grab rail Taurus (holder that supports standing)*	✓	
Grab rail Taurus - external (holder that supports standing)*	✓	
Grab rail Bariatric (holder that supports standing)*		✓
Tablet	✓	
Tablet (Bariatric)		✓
10-button handset	✓	✓
Emergency power supply – Battery Backup System (ECS)	✓	
Emergency power supply – Battery Backup System (MCLII) **		✓
Emergency power supply – Emergency Lowering System **		✓

* Always consult the supplier or manufacturer on the possibility of using the selected accessory with your version of the bed.

** It is not possible to use two emergency power supply systems on one bed.

Reha-Bed Sp. z o.o. cannot be held responsible for any injury or incident which relates to the use of any product combinations not approved

It is the carer's responsibility for selecting and fitting the products correctly and ensuring that the product combination is compatible. In the case of doubts, please contact the supplier or the manufacturer.

- It is forbidden to use accessories that have not been approved or are not intended for use with the bed – the risk of danger due to incompatibility regarding the combination of products.
- The manufacturer is not responsible for any injuries or incidents connected with the use of unapproved accessories.
- Pay particular attention when raising/lowering side rails – if a grab rail is applied – the space between these two components may pose a risk of crushing fingers.
- If the height extension for side rails is used along with a foam mattress, make sure that the patient's entry/exit is not difficult – otherwise, during the change of the patient's position, remove and reinstall the height extension (as required).
- Take care when raising the back section in combination with the grab rail, because the space between these two elements may pose a risk of finger(s) entrapment.

Detailed information about the use of individual accessories with the bed can be found in the instruction manual for these accessories.

16.1. MATTRESS AND SIDE RAILS

Taurus and Bariatric beds have been tested and approved with selected mattresses. The mattresses listed in the table below are mattresses recommended by the manufacturer. **Contact the manufacturer or distributor to select a mattress suitable for your bed**.

Mattresses have been tested and approved with side rails characterized by specific dimensions dedicated to the respective type of beds (see section 15.3).

	Available dimensions [mm] * *width x length x height*
Foam mattresses	
ControlCare 1	800x1900x120; 900x2000x120;1100x2000x120; 1200x200x120
ControlCare 2	800x1900x120; 900x2000x120;1100x2000x120; 1200x200x120
ControlCare 3	800x1900x140; 900x2000x140;1100x2000x140; 1200x200x140
ControlCare 4	800x1900x150; 900x2000x150;1100x2000x150; 1200x200x150
ControlMaxCare	900x2000x160; 1200x2000x160
Waffle mattress	780x1870x120; 780x1870x150; 780x1900x120; 780x2000X120; 850x2000x120; 900x1900x120; 900x2000x100; 900x2000x120; 900x2000x120; 900x2000x150; 1200x2000x150
Waffle mattress	850x2000x140;
Waffle mattress with HR insert	780x1870x120; 780x2000x120 850x2000x120; 900x2000x120; 900x2000x150; 1200x2000x120
Foam mattress	780x1870x120; 780x2000x120; 800x2000x120; 850x2000x120; 900x1800x120; 900x1900x120; 900x2000x100; 900x2000x120; 900x2000x150; 900x2000x200; 1200x2000x120; 1200x2000x150; 1200x2200x150
Foam mattress	900x2000x120; 900x2000x150
Foam mattress with HR insert	900x2000x150
Mattress extension	780x200x120; 900x200x120; 900x200x140; 900x200x150; 1200x200x150
** It is possible to order a custom-size mattress.*	

- Mattresses and side rails not approved by the manufacturer pose a risk of entrapment for the bed user.

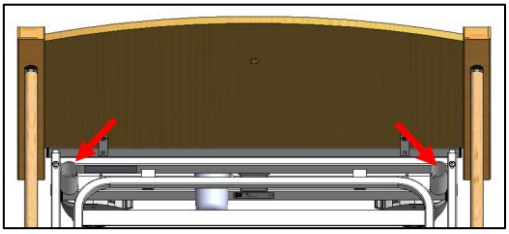
- The manufacturer deems the listed above foam mattresses to be suitable for use with the Bradshaw Bariatric side rail, however a patient risk assessment must be performed to ensure the gap between the top of the mattress and top of the side rail when fully lowered is acceptable and will not introduce a hazard to the patient when entering/exiting the bed.
- If the dynamic mattresses are used without side rail height extensions a patient risk assessment must be performed to ensure the gap between the top of the mattress and top of the side rail when raised is acceptable and will not introduce a hazard to the patient.
- If the dynamic mattresses are set to a low pressure the gap introduced by cell compression at the mattress edge and the side rail is to be considered. A patient risk assessment must be performed to ensure an asphyxiation risk is not introduced.
- Make sure that the applied mattress is characterized by the correct size and type and that it is positioned in a right way on the bed. The mattress should be placed between mattress holders on sides of the mattress platform sections – an incorrect mattress may pose a risk of entrapment and/or fall of the patient.
- Make sure that side rails and mattress are correctly selected – incorrect selection of products may pose a risk of entrapment.

- Make sure that the control box of the dynamic mattress is not placed on side rails – risk of damage by falling when/after lowering side rails.
- Dynamic mattresses should be attached (only) to the movable parts of the mattress platform. Incorrect fastening of straps around the main sections of the mattress platform can seriously damage various parts of the bed. In the case of doubts, contact your suppliers or manufacturer.

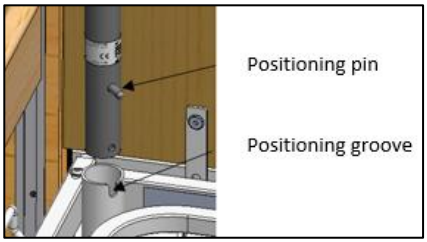
16.2. LIFTING POLE

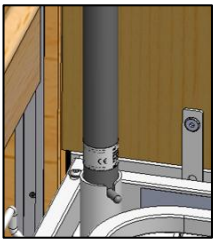
Optionally, the bed can be equipped with a lifting pole with a triangular handle with an adjustable length of the belt. In order to install the lifting pole:

- Lock all 4 wheels.
- Select one of the two lifting pole sockets located at the corners of the mattress platform (on the head bed end).



- Place the lifting pole in the selected lifting pole socket. **Note!** Make sure that the positioning pin is placed in the positioning groove.
- Place an adjustable belt with a triangle handle on the lifting pole. Make sure that the grip belt is located between positioning pins.





Warning

- Installation of the lifting pole **in a place that is not intended for this purpose** poses a risk of damage to health or an accident.
- In order to ensure the user's safety while using the lifting pole, make sure that the lifting pole has been properly installed.

17. WARRANTY

The warranty period is 24 months from the date of purchase of the bed. The warranty does not cover mechanical damage and interference with the bed's structure, actuators or the bed's control box. In the absence of regular inspections, the guarantor is not responsible for any damage resulting from this fact (see the Maintenance and Inspections section). The warranty card is attached at the end of the instruction manual

17.1. WARRANTY CONDITIONS

1. Reha-Bed Sp. z o.o. guarantees the efficient operation of medical equipment for 24 months from the date of purchase – in acceptance with the technical and operational conditions described in the instruction manual.
2. Upon recognition of a defect or damage to the product within the warranty period, they will be removed free of charge within 14 working days from the date of reporting and marking the product available for repair.
3. The user is not obliged to deliver the product weighting more than 1 kg and large dimensions (e. g. product's size exceeding $3m^2$).
4. If the user fails to deliver the product with the complaint card, the deadline for processing the complaint (set in point 3 above) is calculated from the date of inspection of the product covered by the complaint.
5. The guarantor is released from liability for damage to the product caused by inadequate use or use inconsistent with the instructions for use (e. g. storage, maintenance, broken seals, mechanical damages).
6. The concept of repair does not include actions determined in this instruction manual, which should be carried out by the user on his own.
7. The warranty is extended for the period, during which the product is under repair. If a defect (as a defect covered by the warranty) is not found during the complaint procedure, all costs connected with transport/travel, work of a service technician, as well as costs related to spare parts and materials are covered by the buyer (the product's owner).
8. The warranty does not cover wear and tear of the product resulting from its normal use an ongoing maintenance of the product (e. g. cleaning, tightening of set screws, as well as steps determined in this instruction manual).
9. The warranty does not cover missing bolts, buts, etc., resulting from the lack of maintenance.
10. Replacement of the advertised product or its part with a new one – free from defects – does not extend the warranty period.
11. The product for the repair should be cleaned. Cleaning is not included in the scope of warranty repair work. Id the product is not cleaned, the manufacturer reserves the right to invoice the service connected with the cleaning of the product or not to perform a warranty repair and return the product at the expense of the claimant.

12. Loss of warranty rights takes place in the following cases:
    a) It is not possible to identify the product from the serial number and production date on the bed.
    b) The product has been used in a manner inconsistent with the manner described in the instruction manual. The product has been used for other purposes or in conditions other than the intended ones.
    c) There has been an interference with the product, including repair of the product by an entity other than the manufacturer or authorized service of Reha-Bed.
    d) The product has been mechanically damaged (e. g. fall, hit, breaking the railings by leaning or sitting on the product, etc.).
    e) The product was damaged as a result of external factors – e. g. through contamination, flooding of actuators or the control box, use of the bed in inadequate conditions and if the product was damaged due to the user's fault (e. g. during the use of a damaged product or inappropriate equipment, overloading the bed, etc.).
    f) The product was used despite the defect.
    g) The product was damaged during transportation.
    h) The product (delivered for repair) is incomplete.
    i) Non-compliance with notes and warnings presented in the instruction manual.

Consideration of the complaint refers only to products placed on the market by the manufacturer – Reha-Bed Sp. z o.o.

18. REPAIRS AND MAINTENANCE TREATMENTS

DATE	DESCRIPTION	SIGNATURE AND STAMP OF THE SERVICE

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