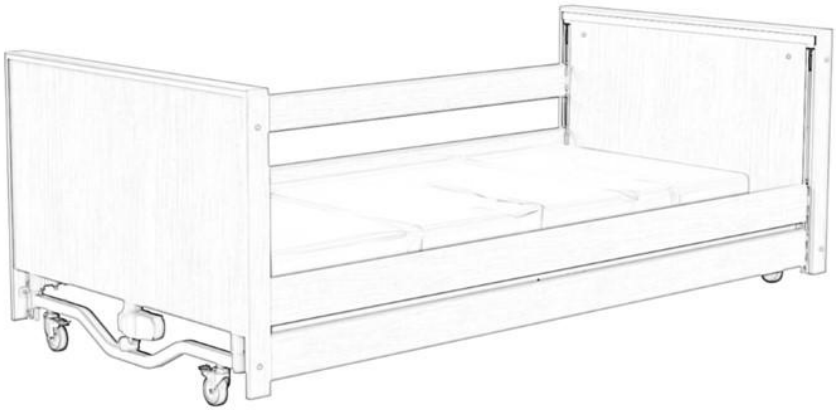
INSTRUCTIONS FOR USE

TAURUS 2



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...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 (32) 346 00 33

Other issues:

e-mail address: biuro@rehabed.com.pl
phone: +48 (32) 346 00 33

www.rehabed.com.pl

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 outside 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 2 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)
- 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
- Mattress platform filled with metal (standard) or wooden (optional) slats
- Available bed version with padded board,
- Available LOW version with a reduced minimum and maximum height of the mattress platform compared to the standard bed
- Available MED version with metal medical side rails and bed ends board made of MDF or CDF board
- 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.
Reha-bed sp. z o.o. recommend the use of the standard 9-button handset when the bed is being used in a domestic environment.

1.4. APPLICATION

The Taurus 2 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 provided if 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 180 kg. 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 above described environments.

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 2 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,
- 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 or more than 180 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.
- The bed should be used in acceptance with its intended purpose.
- If you cannot plug the main power cable directly into a wall socket, only the CE marked extension cables may be used.

- 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 part of the bed and/or related accessories that are damaged (such as actuators, cables, plugs, remote control) must be immediately taken out of service and replaced – damaged, loose or worn electrical components can lead to malfunction or pose 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 160 mm.
- The use of accessories that have not been designed for use with the bed is forbidden - a hazard could be introduced due to product combination incompatibility.
- 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 and isolating from the mains, ensure that the plug is accessible at all times.
- 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.
- Precautions are to be taken when routing cables from external equipment around the bed to ensure that they do not become crushed, trapped or damaged - damaged cables could pose a risk of electrocution/fire.
- Make sure that mains cable is plugged into a suitable power source at all times.
- 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.) – close proximity could damage the electrical system and/or pose a fire hazard.
- If the bed is being used in conjunction with a hoist ensure the under bed clearances are checked before lowering the bed to minimum height - risk of frames clashing
- The bed is to be installed and put in to service in accordance with the information provided in these instructions for use.
- **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:

	Operational 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

Storage time before first use: The expected maximum storage time of the bed before first use is equal to the service life of the bed, provided that the above environmental conditions are met.

- 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).

- Extremely low or high temperatures must be avoided during use, storage and transport of the bed (see section 15.4). Exceeding the recommended temperature range may damage the electrical system (e.g. when the bed is placed near heat sources such as radiators, heaters, fireplaces, or in cold environments such as unheated storage rooms).
- 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 moisture rich 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. Exposing the product to moisture, flooding, or prolonged dampness constitutes use contrary to the operating instructions and may lead to permanent damage to the product. Cleaning and disinfection must be carried out in

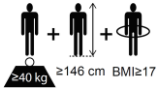
accordance with the information contained in this operating manual.

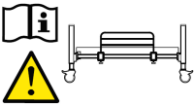
- In the LUX version, avoid contact between the wooden casing of the bed ends and water, as well as prolonged exposure to moisture. Exposure of the casing to moisture may result in damage.
- During use, natural changes in the wood may occur, such as cracking, color changes and fading of the impregnation, knots falling out, or resin exudation. These 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.
- Avoid the accumulation of dust, lint or other contaminants, as these may interfere with the proper functioning of the bed and the electrical system. To ensure safe and reliable use, the bed should be cleaned regularly.

- 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

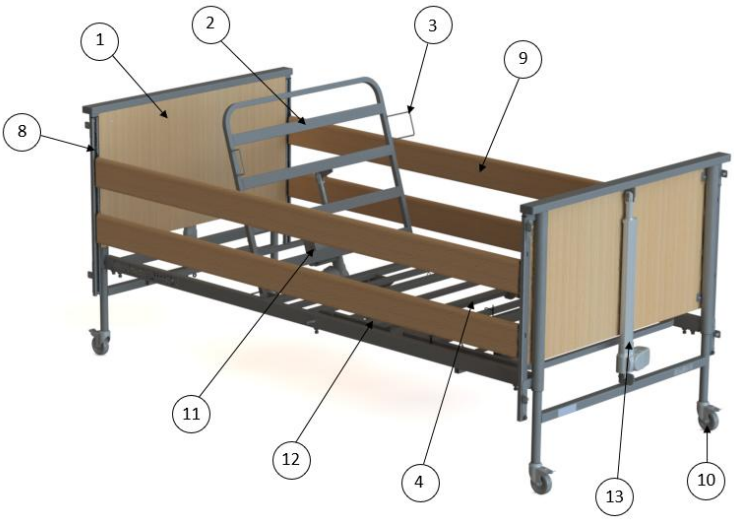
The following symbols are observed on the beds:

	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 Refer to section 15.2
	Safe working load Refer to section 15.2
	WEEE marking – placed on individual parts of electronic system (Waste electrical and electronic equipment)
	Application part (type B) 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 (refer to section 0 for a list of applied parts). Type B: Applied parts complying with specific requirements for protection against electric shock to 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 Refer to section 16.1
	Warning – dynamic mattress Dynamic mattresses must only be strapped to moving parts or bed's frame

	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
	Atmospheric pressure limit
	Humidity limit
	Temperature limit
	Certification mark Product meets the requirements of the Regulation (EU) 2017/745 on medical devices (MDR)
	Manufacturer data
	DOM Date of manufacturing
SN	**SN** Serial number
REF	**Reference number** Product code

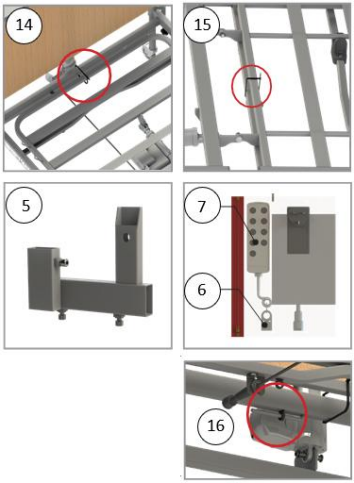
5. COMPONENT PARTS

5.1. LIST OF COMPONENTS OF THE BED



(The figure shows the Taurus2 bed with wooden side rails)

1. Bed end x2
2. Backrest section x1
3. Mattress side retainer x4
4. Leg section x1
5. Transport stand x2
6. Handset lock key x1
7. Handset x1
8. Side rail channel x4
9. Side rail x4
10. Braked castor x4
11. Control box/Backrest actuator x1
12. Leg rest actuator x1
13. Bed end actuator x2
14. Head section re-usable cable tie location x1
15. Leg section re-usable cable tie location x1
16. Allen key location ×1



Warning

- 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.

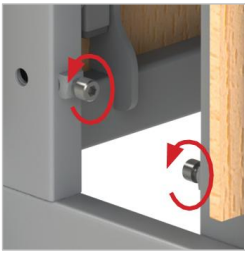
6. ASSEMBLY OF THE BED AND PREPARATION FOR USE

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.
- Ensure the surface is level. Lock all 4 wheels.
- The bed with wooden slats has 5 slats and bag with 10 plastic fixings for slats attached to the inside of leg frame. Set them aside for further assembly.
- Loosen the top grub screws with Allen Key supplied at the head end of the backrest platform on both transport stands.
- Lift the leg section off the transport stands followed by the head section and carefully place them flat on the floor.
- Loosen the bottom grub screws which secure the bed end to the transport stand on one side only.
- Pull the same bed end away from the transport stands and place carefully against a wall or on the floor. If placing against a wall ensure the castor brakes are applied.

  Note: when the transport stands are pulled away neither bed end will be supported.
- Now loosen the remaining screws on the transport stands and carefully pull the other bed end away.
- The bed has now been separated into its constituent parts.

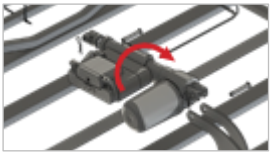


Top grub screws on the transport stand

Bottom grub screws on the transport stand

6.2. ASSEMBLY OF THE BED

- Prior to assembling the bed the backrest actuator of the Taurus 2 must be removed and rotated 180° to change the bed from transport to in use mode. Ensure the mains cable is not in tension or inappropriately entangled around the control box after rotation.



Rotation of backrest actuator

- Lying one of the bed ends flat on the floor, lift one of the mattress platform halves and engage onto the bed end. Adjust the position of the mattress platform half if necessary to ensure it is located centrally onto the bed end and the platform is pushed fully up against the bed end. Tighten the grub screws to lock into position. **Note: If this action is being undertaken by a single person Reha-bed sp. z o.o. recommend that the castors are braked before assembly commences.**

Bed end and backrest section assembled

- Repeat for the remaining bed end and mattress platform half.

Bed end and backrest assembled

- **Make sure that the holes on the side of the leg section are in the centre of the mattress platform!**
- Release the brakes on the castors on both bed ends.
- Bring both halves of the bed together and align each section so that the spigots in the backrest section locate into the open tube ends in the leg section. Now pull the two sections together. Once complete check that the bed ends are still pushed fully up against the bed ends.

Bring assembled bed halves together

- Place the clevis pins through the holes by both central joints with the head of the pin on the outside of the bed. Place the plastic spacer over the end of the pins and insert the 'R' clips from the top of the bed through the hole in the pin and **tighten the two grub screws**.

Clevis pin, spacer, and R clip fitting

- The bed with wooden slats has holes for self-assembly of slats. Place fasteners at the both ends of the slats and then attach them parallel to each other in designated places (holes).
- Cut off/remove the plastic retaining ties/Velcro straps from the head and foot mattress platforms.

Wooden slats assembly

Warning

The bed must never be used if the grub screws and/or clevis pins and associated 'R' clips are loose or missing - risk of bed collapse. Also using bed without the wooden slats installed threatens with danger of mattress collapsed.

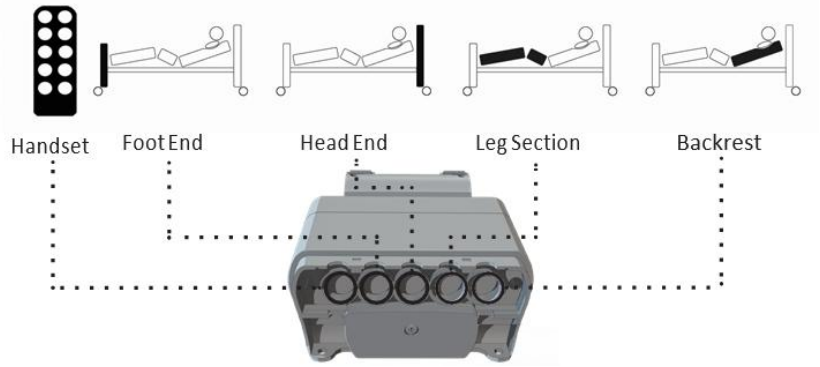
Caution

- Ensure all wraps/hooks and loop tape (or similar) securing any of the sections in place are removed prior to operation - damage to the frame could occur.
- Ensure the backrest actuator is rotated in the direction shown on first picture. Incorrect rotation could cause product damage.

6.3. CONNECTION OF THE ELECTRICAL SYSTEM

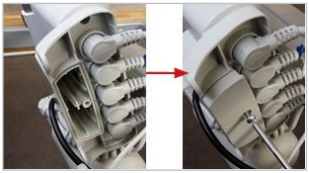
The bed is designed to be permanently connected to a power supply. The auxiliary emergency power supply is available as an accessory to maintain the bed's basic functions for a specified period of time if mains power is not available (see section 10).

- 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, remove the retaining cable cover to the control box (screwdriver required) and plug the actuator and handset cables into the control box as shown in the control box label and the picture below.
  Note: The plugs only fit into the ports in one orientation. Ensure the cables are plugged fully into the control box.



Control box label and cable routing

- Once all the cables are connected they are to be secured in place by re- attaching the supplied cable cover to the control box. If removed, the battery cover is fastened into place using the supplied screw.
- The mains cable exiting the control unit should now be connected to the power supply plug. Take the 2 plugs and push them together, ensuring the connection has been fully made before plugging into the mains.
- Drive the bed to its maximum height then secure the actuator cables in the twist clips under the mattress platform (refer to section 6.3.1). Ensure each bed end actuator cable has enough free cable to allow full movement of the actuator.



Fitting battery cover – Unscrew/screw the battery cover into place by using the screw provided

Fitting cable cover - Cable cover unclips/clips into place

Plugging the bed into the mains

Warning

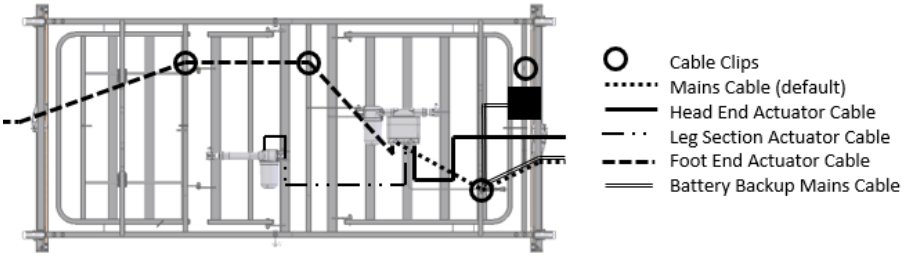
- Ensure all cables, in particular the mains cable, are free from moving parts and are not under excessive tension.
- Make sure that none of the actuator and/or handset cables are placed between moving parts of the bed and check that cables are not tight (especially the main power cable when lifting 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.
- **The two bed ends are identical however plugging the actuators into the correct ports is important to ensure the bed ends operate as intended. Tilt function will not work as intended if incorrectly connected.**
- 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.
- Always disconnect the bed from the mains power supply prior to connecting or disconnecting any cables to the control box.

- 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.

- Breaking or damaging actuators or the control box (inc. seals) will void the warranty.
- Pulling the plug out of the socket is permissible only for holding the body of the plug / adapter, not the cord.
- Make sure that all cables (especially the power cord) are not placed between moving parts and are not under excessive tension.

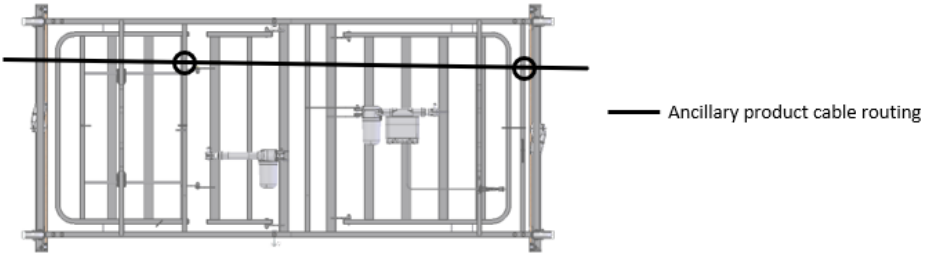
6.3.1. CABLE ROUTING AND ANCILLARY PRODUCT CABLE ROUTING

The Taurus 2 bed is equipped with 4 holders that enable to suspend the power cable under the mattress platform. The cables are to be routed on the bed frame as shown below:



Bed cable routing

When fitting ancillary electrical equipment the ancillary mains cable is to be routed using the twist cable clips located underneath the bed. These clips are shared with the bed's actuator cables.



Ancillary product cable routing

- Ensure all cables, in particular the mains cable, and ancillary cables are free from moving parts and are not under excessive tension to avoid cable damage - damaged cables can create a risk of electrocution/fire.
- All cables must be suspended under the mattress platform in holders designed for this purpose – protection against abrasion and touching the floor.
- Inappropriate handling/positioning of the mains 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 AND MEDICAL METAL SIDE RAILS

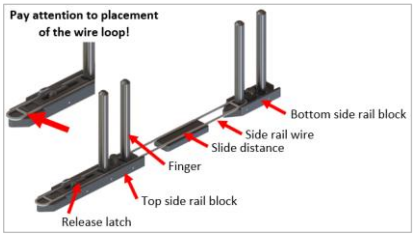
Before installation, ensure the length of the side rails is suitable for the length of the mattress's platform (standard or extended side rails).

Note: If the side rail finger blocks are already located inside the side rail channels, remove the finger blocks from just one end of the bed, then proceed to assembly stage 5 below.

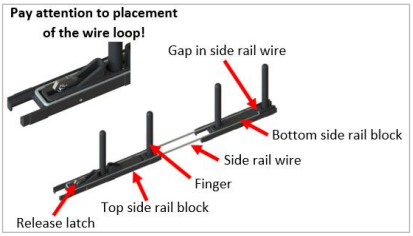
- Lower/raise the bed to its medium height (see section 8.5.2 regarding the operation of the bed's electrical functions). Lower the side rails mechanism (if fitted) to the end of the aluminium channel by pressing release latch on each bed ends (see section 8.4.2).
- Unscrew the thumb wheels located at the bottom of each side rail channel.

Thumb wheel removed

- Clip the side rail wire over the top side rail block, identified by the metal release latch at one end.
  Note! Pay attention to placement of the wire loop!
  Note! Check the type of used side rail sliders!

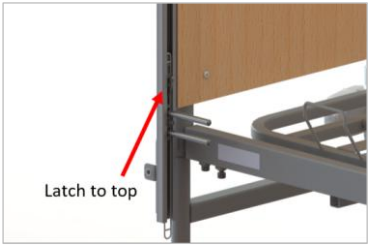


Top side rail block and wire assembly (for 85 mm, 95 mm and 100 mm height side rails)



Top side rail block and wire assembly (for 110,5mm height side rails and metal medical side rails)

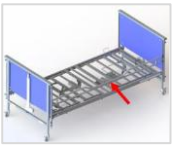
- Insert the top side rail block with side rail wire into one of the side rail channels until it latches in the lowest position; note the correct orientation of the block (release latch to top).



Top side rail block latched

- Slide the side rail over the fingers in the top side rail block (for wooden side rails: rounded surface facing up; for medical side rails: dipped side rails, dipped side upward). Carefully put the other end of the side rail on the ground, making sure that it is slid enough over the fingers to prevent it from falling out.

Top side rail inserted

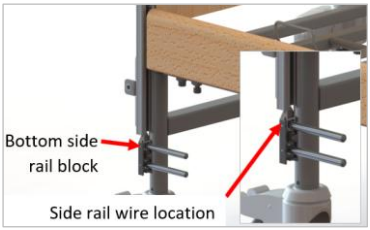


Top rail in TR2 MED

- Connect another side rail wire and top side rail block together as described in step 3, and insert the fingers into the vacant end of the top side rail. Lift this top side rail block into the channel until it latches in place.

Top side rail assembled

- Release the latch on one of the top side rail blocks and steadily lower to allow sufficient space for the fitting the slide distance (if used) and bottom side rail block to clip over the lift wire. <u>It is essential that the lift wire is fitted into the bottom side rail block in the correct location.</u>



Bottom slide block and wire assembly

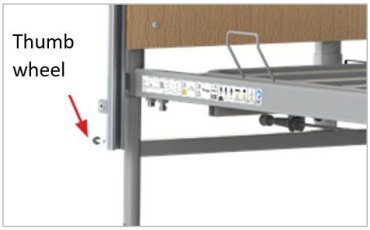
- Slide the second (bottom) side rail over the fingers in the bottom side rail block (rounded surface facing up). Raise the side rail so it latches in the highest position at one end. Make sure that the side rail is slid enough over the fingers to prevent it from falling out.

Bottom side rail inserted

- Repeat for the other end of the bottom side rail.

Side rail raised

- Reinsert the thumb-wheels into the bottom of each side rail channel to secure the side rails in place.



Thumb wheel re-inserted

- Repeat the process for the other side of the bed. Check the side rails operate correctly, smoothly and latch in the highest position to confirm that they are correctly assembled. Once assembled check bed ends are still pushed up against the platform fully.

Side rails fitted

- In case of any doubts concerning the installation of side rails, contact the supplier or manufacturer – incorrectly fitted 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 160 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.
- The use of the side rails system with the side rails not intended for use with this system poses a risk of injury or even death – risk of finger(s)/limb(s) crushing, entrapment and even suffocation.
- After assembling, make sure the side rails are installed correctly.

6.4.1. Side Rails and Mattresses

The Taurus 2 is specified with the full-length, wooden side rails; refer to sections 15.3 and 16.1 for a comprehensive list of options. When specifying a mattress and side rail combination a clinical assessment of the patient's needs must be carried out in line with local policy.

- Ensure that any mattresses used are of the correct size and type (see section 16.1) and have been fitted correctly (is placed between mattress retainers on the mattress platform) – incorrect mattress specification could lead to an entrapment and/or falls hazard.
- Ensure the side rails are compatible with the mattress and bed combination (see section 16.1) - incorrect product combinations could pose an entrapment hazard.

6.4.2. Side Rail Safety

The manufacturer only recommends the use of manufacturer's side rails with manufacturer's beds. The manufacturer does not recommend the use of the Taurus 2 bed and the associated 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.

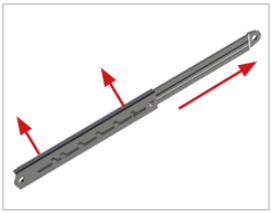
- Whilst every care has been taken to ensure that the design of Reha-bed sp. z o.o. side rails meet the relevant safety standards, beds fitted with side rails can still pose a potential risk of death from entrapment and/or asphyxiation.
- All staff responsible for the purchase, selection for use, and the adjustment 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 side rails to ensure that any spaces between the side rails, mattress or

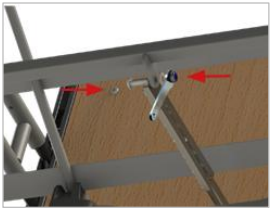
bed frame will not allow entrapment of the occupant's head or body. In addition, consideration should be given to the size and physiological condition of the occupant and an assessment undertaken to ensure that the spacing between the bars of the side rails are not wide enough to present a potential risk of entrapment and/or asphyxiation. All staff responsible are to be aware that increased vigilance is required when nursing patients in beds fitted with side rails.

Warning

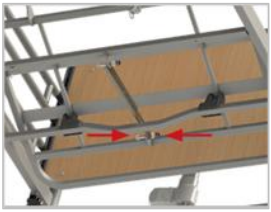
6.5. FITTING RATCHET

The Taurus 2 bed can be equipped with a ratchet to adjust the leg section angle; refer to section 16 for a comprehensive list of optional accessories. If the ratchet is supplied as an accessory with a spanner, you will also need the Allen Key provided with the bed - refer to section 5.1 for Allen key location on the bed.





- Fully extend the ratchet, before putting it up to the bed (note ratchet orientation).
- Place the provided plain washer on the screw, then put them through the hole on the ratchet. Place on the outstanding end of the screw the white spacer and then put the whole set through the hole on the leg section platform, facing the thread towards the actuator. Add the plain washer and using the Allen key and spanner provided tighten into place with the nyloc nut. This end of the ratchet is now fixed into position.
  Note! Pay attention to the ratchet orientation.



- Place the plain washer on the other screw. Take the loose end of the ratchet and place the screw with the washer (**facing the screw head on the opposite side to the first screw**). Place on the outstanding end of the screw the white spacer and then place the whole set through the hole on the calf section (**make sure the screw head is on the opposite side to that of the first screw**). Add the plain washer and using the Allen key and spanner provided tighten into place with the nyloc nut.
- The ratchet is now fixed into position, check operation before use.
- The Taurus 2 Wide bed is adapted to the installation of two ratchets and it's not allowed to install only one ratchet. Both ratchets should be install in accordance with the above steps.

6.6. CHECKING THE BED

The bed is fully assembled now. Before it is put into use, ensure the bed has been correctly assembled by carrying out the following checks:

- Ensure the correct side rails are fitted to the bed.
- Are the grub screws on the corners of the bed fully tightened?
- Are the two central mattress platform grub screws fully tightened?
- Have the two clevis pins been passed through the bed's central join and secured with 'R' clips and spacers?
- Have the wooden slats been fully fitted (only on the bed with wooden slats)?
- Have all packaging elements been removed – e. g. cable ties securing movable sections?
- Are the cables free of all moving parts of the bed and is there sufficient free cable to allow for movement?
- Is the bed clear of obstructions?
- Do the side rails raise/lower smoothly and lock automatically when raised to the highest position?
- Are the fixings securing the integral side rail channels fully tightened?
- Has a risk assessment been performed on the suitability of the bed (and any ancillary equipment) for the user?
- Are plugs of actuators in the control 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?

For details about the side rails and mattress see sections 15.3 and 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 out of the bed,
- Possibility of interference by young children (and adults),
- Users who lack capacity,
- 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 tampering with the bed, consider its suitability for use during the initial risk assessment of the patient/product.
- The Taurus 2 LOW bed 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 powder coated steel bed ends support the mattress platform frame, the electrical system and a set of side rails to provide patient protection; the bed has a safe working load of 215kg. The bed is manoeuvrable via the aid of four individually braked castors which are attached to the bed ends, however it is not designed for patient transportation. The bed can be disassembled into four separate sections, which can be assembled onto the transport stands provided with the bed, aiding transportation 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 cleaned and disinfected (see section 11),
- the mains cable is plugged into an appropriate mains socket,
- 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 on the castors have been applied,
  - **Note**: before locking the castors, ensure they are aligned so that they run parallel to the length of the bed and inboard so they do not present a trip hazard,
  - **Note**: all four castors should be locked to prevent inadvertent movement of the bed. If the bed will be used in tilt, it is advisable to unlock the foot end castors whilst operating the function to prevent the castors from dragging over the floor during the tilting motion. Once the required tilt position is reached, all castors should be locked.
- 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,
- Using the handset ensure the bed is level (see section 8.5.2 for handset operation), before positioning the bed according to the patient's needs.

- 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 to reduce the risk of patient injury.
- Consideration is to be taken in the positioning of the bed cables and handset cable to minimise the risk of accidental strangulation resulting from entanglement of the bed occupant or any other person.
- 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).

Warning

- The patient should not be left in the Trendelenburg or reverse Trendelenburg position!

Caution

- 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 has four braked castors.

- 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.

Warning

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

8.4. SIDE RAILS AND MATTRESS

Taurus 2 beds are fitted with wooden side rails along the whole length of the bed (as the standard) and Taurus 2 MED bed are fitted with metal medical side rails.

Characteristics of the mattresses and the side rails tested and approved by the manufacturer can be found in the section 15.3 and 16.1.

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.

Warning

8.4.1. HEIGHT OF THE MATTRESS

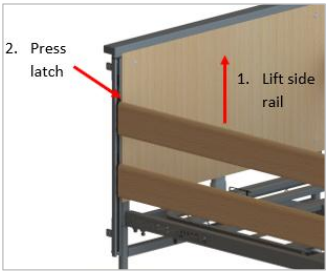
- The standard height side rails enable to use mattress with a maximum height of 160 cm.
- Side rails may only be used with a mattress of the proper size and type – intended for use in electric beds.
- The use of side rails that have not been approved for use with the bed is unacceptable due to the risk of loss of health or life.

Warning

8.4.2. USE OF SIDE RAILS

To lower side rails:

- Gently lift one end of the top side rail upwards.
- Depress the release latch at the raised end of the side rail whilst holding the side rail up.
- Gently lower the side rail until fully down at one end. The release latch can be released after the side rail has begun to lower.
- Repeat the process at the opposite end of the bed.



Lowering the side rails

To raise side rails:

- Lift the upper side rail until it is heard to latch into position at the top height at both ends of the bed.

- 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.
- After raising side rails, make sure that they are locked in place at all times to avoid trapping and/or injury.
- 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, do not drop them – side rail and/or bed frame could be damaged.

8.5. ELECTRICAL CONTROL

The Taurus 2 bed is intended to be permanent plugged into a mains supply. A battery backup accessory is available for such times that a mains supply is not available or reliable.

The bed is equipped in easy-to-use handset (9-button or 10-button), intended for use by both the patient and carer. The handset operates an electronic linear actuator system, which is controlled via a central control box. The actuators are attached to the moving parts of the bed frame allowing the bed to be operated via the use of the handset. Holding down of the relevant button causes the desired function to operate, releasing the button causes the operation to terminate and all movement to stop (e.g. when the movement introduces risk to the user). The carer has the ability to lock out

the use of bed functions as necessary to reduce the risk of accidental operation. It is the carer's responsibility to determine that the patient is both mentally and physically capable of operating the handset with minimal risk of personal injury.

If the carer is to operate the bed ensure that the occupant is made aware of the action(s) about to take place. 9-button handset is recommended for use in a home environment.

- Ensure a risk assessment is undertaken to ensure the suitability of the occupant and/or visitors using the handset.
- The handset cable must also be considered in regards to the risk of accidental strangulation of the bed occupant or any other person - If the cable introduces an unacceptable risk it is recommended that the handset is removed from the bed.
- Before lowering the bed ensure no one is in close proximity to the underside of the bed frame - 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 (Taurus 2 LOW only).
- 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).
- As standard, the handset provided omits a head down tilt function for safety reasons. If the head down tilt function is required a replacement handset can be purchased featuring this function. Please refer to the contact information in section 1.1 to order the handset or to request further information – Reha-Bed sp. z o.o. recommend the use of the standard handset when the bed is being used in a domestic environment.
- The mains plug is the disconnect device for the means of isolating the bed from the mains supply; the plug must be accessible at all times. If the mains plug is unaccessible, seperate the connection halves of the mains cable (see section 6.3).

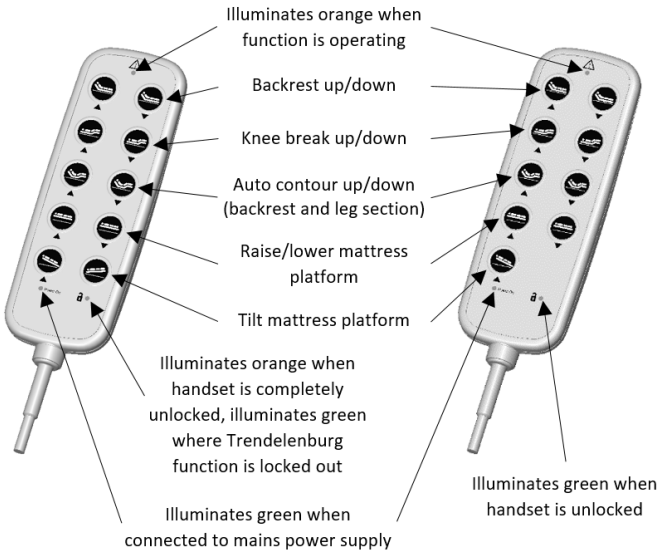
- Using the bed without any breaks for a long period of time or exceeding the operating time of the control box and/or actuators may cause temporary shutdown or irreversible damage to the electrical system. In such a case, disconnect the power cable from the mains before using the device again. The system should rest for 20-30 minutes before the restart.
- Before lowering the bed ensure the area underneath is free from objects/ obstructions - risk of damage to the bed and object/obstruction.
- When the mattress platform is raised, slight lateral tilts may occur within the permissible structural tolerances, which do not pose a threat to stability or safety of use.
- The backrest is only to be used for the raising and lowering of the patients back - any other use may damage the frame.
- Failure to return the actuator to its original position could result in product damage.

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.

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.

- Engage the lockout function if a patient could be injured due to inadvertent motion of the mattress platform.
- If children, adults who lack capacity or even pets pose a potential risk of intentional or unintentional tampering with the bed the lockout function on the handset is to be used at the discretion of the carer.
- Consideration is to be taken with regards to the storage of the handset lockout key to minimise the risk of it being swallowed or posing a choking hazard to a baby, child, bed occupant or any other person.
- Consideration is to be taken when storing the handset lockout key to minimise the risk of unauthorised users changing the lock setting.
- The bed is not fitted with a battery backup facility, so it must always be plugged into the mains supply during normal use.
- If the Trendelenburg function still poses a potential risk due to the patient's condition, a replacement remote control without

Warning

the Trendelenburg function can be purchased - please contact the importer, distributor or manufacturer for more details.

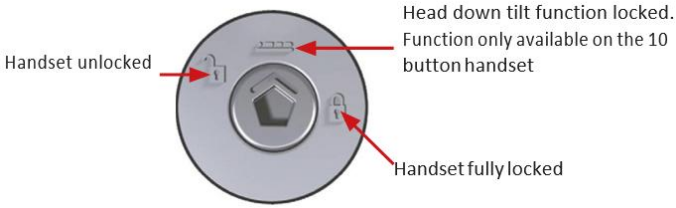
8.5.3. LOCK FUNCTION OF THE HANDSET

The handset is supplied with a lockout function which enables the carer to disable bed functions if they are deemed unsuitable for the occupant - 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 lockout function on the handset is to be used at the discretion of the carer.

To lock/unlock a function with a mechanical key, turn the handset over and insert the handset key provided into the recess and turn to the required position (clockwise to lock, anti-clockwise to unlock).

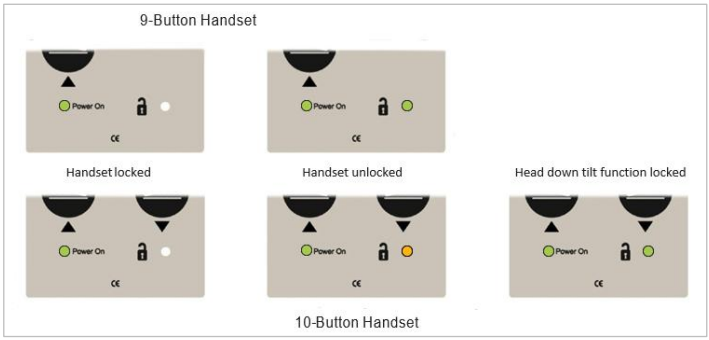
To lock / unlock the Trendelenburg function with a mechanical key (only for 10-button handset): turn the handset over, insert the key into the recess and turn the lock to the place shown in the picture below.

To lock / unlock a function with a magnetic key, slide the key over the handset in the area marked with an open / closed padlock.



Note: The handset functions are likely to be in the locked state when the bed is first installed. Head down tilt function lockout is only available with the 10-button handset. For accessories please refer to Section 16.

As the key is rotated the light will extinguish/illuminate as determined by the lock state.



Note: When head down tilt function is locked out and the bed is in the foot down tilt position the platform is levelled via the mattress platform raise/ lower buttons, take the frame fully up or down until the platform is level.

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

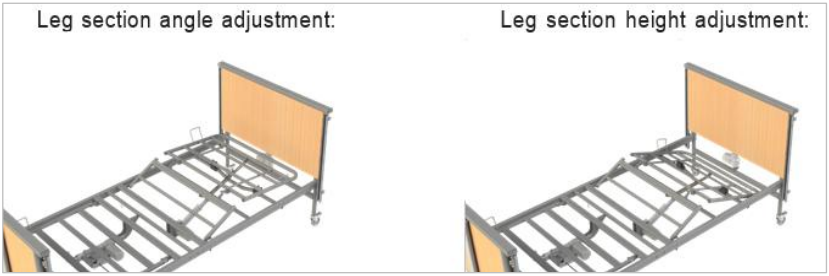
Warning

- Engage the lockout function if a patient could be injured due to inadvertent motion of the mattress platform.
- If children, adults who lack capacity or even pets pose a potential risk of intentional or unintentional tampering with the bed the lockout function on the handset is to be used at the discretion of the carer.
- Consideration is to be taken with regards to the storage of the handset lockout key to minimise the risk of it being swallowed or posing a choking hazard to a baby, child, bed occupant or any other person.
- Consideration is to be taken when storing the handset lockout key to minimise the risk of unauthorised users changing the lock setting.

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 engaged.



To set the bed so that the <u>leg section height adjustment</u> operates

- Press the leg section button on the handset to raise the leg section to maximum height.
- Taking hold of the retainers on the foot section, **slowly** lift the section manually so the ratchet engages (the leg section is maintained by the ratchet).
- The leg section will now move parallel to the bed frame as you change its height using the corresponding function on the handset.

To set the bed so that the <u>leg section angle adjustment</u> operates:

- Press the knee break button on the handset to fully lower the leg section. The ratchet will automatically default to the angle adjustment setting when the leg section is fully lowered.
- Taking hold of the retainers on the foot section, **slowly** lift the section manually so the ratchet engages, stopping when the required angle has been reached

Note: The ratchet will reset if lifted to its full extent, and will therefore not engage the leg section height adjustment.

The leg section will now be raised as the leg section is driven up/down. The ratchet will automatically reset when the leg section is fully lowered again, defaulting the leg section to the angle adjustment setting.

Before attempting to engage/disengage the ratchet mechanism 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.

8.7. STANDARD START WORK PROCEDURE

Before using the bed, please read the operating instructions carefully. In the case of each use, it is necessary to:

- Check that the product has no defects that could pose a risk to users or other people.
- Check that all four wheels are locked and touch the floor, and that the bed is on a flat surface.
  Note! When using the mattress platform tilt function, unlock the wheels on the foot bed end.
- Check that the power cables (including external devices) do not get caught between the moving parts of the bed.
- Check that there are no obstacles or other people within or under the bed impeding its proper operation, and the bed is positioned at a suitable distance from walls/other furniture.
- Check if the handset is unlocked.
- Using the handset, set the required position of the mattress platform / bed or manually lower / raise the side rails.
  Note! During adjustment activities (the side rails, mattress platform or the entire bed), make sure that no part of the body is caught between the moving parts and that the patient is positioned correctly.
  Note 2! During the adjustment activities, it should be ensured that the patient is informed about the change of the position.

In case of any doubts or if more information about the operation of the bed and specific functions is required, please refer to the individual chapters in this instructions for use.

8.8. STANDARD END WORK PROCEDURE

Before using the bed, please read the operating instructions carefully. After each use of the bed:

- Check that the side rails on both sides of the bed are locked in the highest position.
- Make sure that the bed is in the lowest position.
- Make sure that the bed is used in the conditions of use stated in this instructions for user (see chapter 3) and on the label.
- Make sure that there are no heat sources or open flames near the bed, the bed is not used in a humid environment and is not exposed to direct sunlight.
- Lock the handset functions (if the user should not operate the bed himself or there is a risk of changing the position by unauthorized persons), and hang the handset on the side rails.
  Note! Do not leave the user in the Trendelenburg or anti-Trendelenburg position.

In case of any doubts or if more information about the operation of the bed and specific functions is required, please refer to the individual chapters in this instructions for use.

9. ASSEMBLY ONTO THE TRANSPORT STAND

When the bed is in the foot down tilt position (or head down tilt if a 10-button handset is used) the platform is levelled via the mattress platform raise/lower buttons to take the frame fully up or down until the platform is level.

- Before attempting to assemble the bed onto transport stands 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 onto the transport stands, the sections are of considerable weight – see section 15.1.
- It is advisable to assemble the bed with a second able bodied person.

Side rails

- Raise/lower the mattress platform to approximately its middle height, ensuring the platform is level.
- Raise the side rails to its highest position.
- Remove the thumb wheel from each side rail channel.
- Carefully lower the side rail (the lower slide block will partially protrude from the channel).
- Unlatch the slide blocks at one end of the bed and, whilst lowering and supporting the side rails, carefully remove the slide blocks from the bottom of the channel.
- Whilst supporting the side rails, remove them from the slide block fingers at both ends, and place them on the floor, then reinsert the slide block assemblies into the side rail channel for storage (see section 6.4).
- Refit the thumb wheel to the bottom of the side rail channel.
- Repeat the above-mentioned steps for the other side of the bed.

Slide block assembly

Electrics

- Flatten and lower the bed to its minimum height (see section 8.5.2).
- Unplug the mains cable from the mains socket.
- Remove the retaining clips from the control box.
- Unplug the bed end and leg section actuator cables from the control box.
- Detach the cables from the cable routing clips on the underside of the bed.

- Return the backrest actuator to its original position by flipping it 180° so that the top of the actuator is facing downwards (see section 6.2). Ensure the mains cable is not in tension or inappropriately entangled around the control box after rotation.
- Wrap the loose actuators cables around the corresponding actuators

Failure to return the backrest actuator to its original position may result in product damage.

Bed frame

- Using the cable ties that first came with the bed (or stretch foil, tape, etc.), secure the moving parts of the backrest and leg section to the bed frame halves. See section 5.1 for cable tie locations.
- Before disassembling bed with wooden slats it is necessary to remove five slats with plastic fastenings – two in back section and three in leg section. See section 6.2 for removable slats locations. The recommended method of removing slats is to pull the slat up holding near plastic fastening. Remember to block the movable section with other hand. After removing the slats, remove fastenings by inserting the one end of slat in them and lifting it in an arc outside the bed. Five slats and ten fastening should be secured and attached to bed.
- Retrieve the transport stands from storage.
- Release the castor brakes.
- Loosen the grub screws in the middle of the bed frame and remove the clevis pins, 'R' clips and spacers from the central joint.
- Whilst supporting both halves of the bed frame near the centre of the bed, split the bed in half by carefully pulling the sections apart and gently lower onto the floor - this may be considered easier with the help of a second able bodied person.
- Apply the castor brakes on the bed ends.
- On one bed end, loosen both grub screws with the Allen key provided.
- Whilst supporting the bed end, lift the platform half away from the bed end and gently position both sections appropriately.
- Repeat for the remaining half of the bed.

Assembly onto the transport stands

- Slide both transport stands onto one bed end, taking care to ensure the brackets are both oriented correctly.
- Tighten the grub screws with the Allen key provided to lock into position.
- Slide the remaining bed end onto the transport stands and tighten both remaining grub screws to lock into position.

Transport stand base

- Before lifting the backrest and leg section frames, ensure the moving parts have been secured with cable ties or similar.
- Carefully lift the leg section and lower onto the slotted vertical tubes of the transport stands, ensuring the electrics are facing inwards. **The leg section must be fitted to the transport stands <u>before</u> the backrest section.**
- Carefully lift the backrest section and lower the spigots through the larger open tubes on the transport stands, ensuring the electrics are facing inwards.

Leg section on transport stands

- Insert the clevis pins through the transport stands and leg section and secure with the 'R' clips and spacers.
- Tighten all grub screws.
- Ensure the instructions for use, control box clip and handset locking key are safely stored, and that all cabling is neatly wrapped around the relevant bed sections and is not dragging on the floor or under excess tension.
- Ensure, that padded board (option in bed) doesn't have contact with any part of the frame that could cause temporary deformation of padding.

Bed on transport stand

- The bed must never be moved on the transport stand without all sections locked into place as mentioned above or if any grub screws is missing - risk of bed collapse.
- Ensure moving parts have been secured with the re-useable cable ties provided - risk of sections moving in an uncontrolled manner.
- During transport hold only the constant parts of bed construction.

10. POWER FAILURES

The Taurus 2 bed is not equipped as standard with an additional emergency power supply (Battery Backup System (ECS)) that enables lowering of the backrest and leg sections in the event of a power failure. 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.

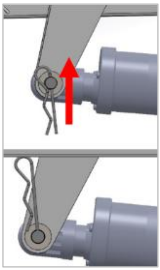
Emergency systems allow a limited number of movements (raising and lowering) in emergency situations, depending on the battery charge level or condition, as well as on the type of bed and the load applied. If the bed is not equipped with an additional emergency power supply, in the event of a power failure 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. In the event of a mains power failure or outage, the system allows control of the bed functions for a limited period of time. Bed functions may operate more slowly due to battery power.

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 operated via two individual actuators that are located underneath 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/support a chosen section – an additional person should support a certain section (if possible).
- Remove the retaining pin (**only on one side!**).

- Remove the clevis pin that hold the top of the actuator in place, allow the actuator to gently swing down whilst still connected at the base.
- Gently lower the section(s) to the flattened position.
- Function that has been manually lowered should be locked out on the handset until the actuator is reattached.

- If the section is to be lowered with a patient in the bed, a risk assessment consistent with local health and safety regulations should be carried out to determine the weight applied to the backrest and whether it is possible to lower the section safely. It is recommended that two carers support the section prior to lowering.
- **When the pins are removed there is nothing supporting the section, the carer(s) holding the frame must be ready to support the weight on removal of the pin.**
- The above-mentioned activities should be conducted by two persons.
- The mattress retainers are not intended to be used to lit or support the backrest - risk of retainer damage and backrest falling.
- 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 accordance with the local infection control schedule or recommendations from the local regulatory body.

Repeated cleaning and disinfection according to the below instructions will not result in loss of general safety and essential performance.

- 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 fully inserted to maintain the IP rating.
- Regular cleaning and disinfection of the bed frame and relevant accessories will help to prevent the risk of infection to the occupant and/or the carer.
- 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 and after any type of service, maintenance, technical inspection or repair, the bed and its accessories must be thoroughly cleaned and disinfected in accordance with applicable infection control procedures.

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 the bed and 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 should 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 should 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: Bleach, solvents or similar surface cleaners are not recommended due to the risk of damaging the bed.

- 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.

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

11.1. STEAM CLEANING

The Taurus 2 bed can be dry steam cleaned, the individual manufacturer's instructions should be followed when using a steam cleaner and the following precautions observed:

- Avoid directing steam directly at electrical components and reduce steam pressure when cleaning near electrical items and connections.
- Avoid directing steam directly at wooden components and reduce steam pressure when cleaning near wooden components.
- Use soft brushes and wiper cloths as recommended by the steam cleaner manufacturer.
- Do not use excessive force or steam pressure on labels.
- Ensure the bed is dry and all debris from the cleaning process has been removed prior to reuse.
- Ensure all electrical functions operate as normal once the bed has been cleaned and dried.

Do not use high pressure hoses on the bed as they could cause damage to the electrical components.

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 must be serviced at least once a year.** Reha-Bed Sp. z o.o. recommends that the caregiver perform frequent visual and operational inspections of the bed and its functionality. If there are any signs of damage or the bed is not performing as it should withdraw it from service until the bed has been repaired and is fit 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 and sound.
- 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 instructions for use.

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 stated frequency could adversely affect the basic operation of the bed and (consequently) put the patient at risk.
- Always disconnect the bed from the mains 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, a risk assessment should be carried out, and if deemed safe to proceed, care should be taken for the service engineer to avoid contact with the patient when working on electrical items.
- Electrical system components are only to be replaced by authorised service personnel or Reha-Bed sp. z o. o. service engineer.

- Only manufacturer approved components (specified for Taurus 2 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. advise that the replacement of batteries every 4 years or sooner.

To maintain the bed's essential performance the following checks must be performed:

- Check if all electrical functions operate correctly on the handset.
- Check if all electrical components and cables are in good condition - If not turn off at the mains and remove bed from use until replacement 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 the retaining clip is fastened to the control box, securing the electrical cables in place.
- Check that all four mattress side retainers are present, any missing retainers should be replaced before the bed is used.
- 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 intact.
- 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 swivel or roll.
- Check if the bed's frame does not show signs of excessive wear (in particular whether there are no cracks near welds, bending of tubes, etc.).
- Check that the wooden components are free from cracks or deformation.
- 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.
- For beds fitted with battery backup check that the battery is capable of suitably powering the bed.

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 2 range beds is 10 years*, with the exception of the emergency power systems (1 year service life) 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.

The service life of accessories is also specified. The boom with handle has an expected service life of 10 years, provided it is used correctly. For mattresses, the service life is specified in the manufacturer's product data sheet.

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/electrical faults that may occur within the service life of the bed are described below. If a fault does occur please try the following suggestions, as these may help in diagnosing 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 mains 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 (a replacement parts probably will be required)
	Work cycle of the control box has been exceeded – possible permanent damage	It is necessary to purchase a new control box

Description of the failure	Possible cause	Remedy
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 incorrect ports in the control box	Review cables and graphic on control box to assess if connections are correct – 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, any associated accessories and/or the electrical system have 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 and any associated accessories are 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.

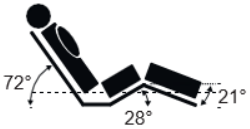
If the bed or any alternative equipment is found to be operating abnormally turn off the piece of equipment that is believed to be causing the interference (if possible) to identify the source of the RF energy. Once identified mitigation measures are to be taken, such as the separation distances being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

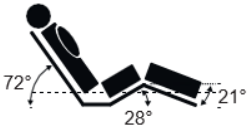
If the bed continues to operate abnormally disconnect it from the mains supply and contact your local distributor or the manufacturer.

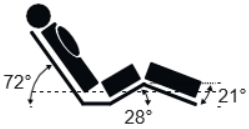
- The bed should not be used adjacent to or stacked with other medical electrical equipment, where viable. If adjacent or stacked use is necessary, the bed and associated medical electrical equipment should be observed to verify normal operation - If not taken into account abnormal operation could occur.
- The use of accessories and cables other than components specified or provided by the manufacturer could result in increased electromagnetic emission or decreased electromagnetic immunity of the bed and cause malfunction.
- Portable RF communications equipment (including peripheral devices – such as antenna cables and external antennas) should be used no closer than 30 cm to any part of the bed (including its cables). Otherwise a degradation in performance could result.

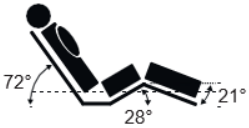
15. SPECIFICATION

15.1. TECHNICAL DATA OF THE BED

		TAURUS 2	TAURUS 2 LOW	TAURUS 2 LUX	TAURUS 2 LOW LUX	TAURUS 2 MED	TAURUS 2 LUX CURVED	TAURUS 2 LOW LUX CURVED
Overall length		2120 mm		2140 mm		2120 mm	2180 mm	
Overall width		1025 mm		1055 mm		1025 mm	1055 mm	
Under bed clearance (to underside of frame when bed is lowered)		385 – 805 mm	190 – 610 mm	385 – 805 mm	190 – 610 mm	385 – 805 mm	385 – 805 mm	190 – 610 mm
Under bed clearance (to underside of actuator when bed is lowered)		335 mm	140 mm	335 mm	140 mm	335 mm	335 mm	140 mm
Mattress platform length		235 mm	45 mm	235 mm	45 mm	235 mm	235 mm	45 mm
Mattress platform width		2000 mm						
Mattress platform angles (max)		900 mm						
Maximum calf section height (optional – only if ratchet is fitted)								
Trendelenburg / reverse-Trendelenburg tilt		130 mm						
Part weights		0 - 12°						
Part weights	Footend mattress platform (with metal/wooden slats)	16 kg / 16,5 kg						
	Headend mattress platform (with metal/wooden slats)	18,5 kg / 19 kg						
	Bed end (each)	15,5 kg		20 kg		15,5 kg	21 kg	
	Side rails (set)	11 kg				12 kg	11 kg	
Under bed clearance (to underside of frame when bed is lowered)		66 kg / 67 kg		75 kg / 76 kg		66 kg / 67 kg	76 kg / 77 kg	

		TAURUS 2	TAURUS 2 LOW	TAURUS 2 LUX	TAURUS 2 LOW LUX
Overall length		2120 mm		2140 mm	
Overall width		920 mm		950 mm	
Mattress platform height range		385 – 805 mm	190 – 610 mm	385 – 805 mm	190 – 610 mm
Under bed clearance (to underside of frame when bed is lowered)		335 mm	140 mm	335 mm	140 mm
Under bed clearance (to underside of actuator when bed is lowered)		235 mm	45 mm	235 mm	45 mm
Mattress platform length		2000 mm			
Mattress platform width		800 mm			
Mattress platform angles (max)					
Maximum calf section height (optional – only if ratchet is fitted)		130 mm			
Trendelenburg / reverse-Trendelenburg tilt		0 - 12°			
Part weights	Footend mattress platform (with metal/wooden slats)	15 kg / 15,5 kg			
	Headend mattress platform (with metal/wooden slats)	17,5 kg / 18 kg			
	Bed end (each)	13,5 kg		18,5 kg	
	Side rails (set)	11 kg			
Overall bed weight on the transport stand (without side rails; with metal/wooden slats)		62 kg / 63 kg		72 kg / 73 kg	

		TAURUS 2 MID	TAURUS 2 MID LUX	TAURUS 2 MID 800	TAURUS 2 MID 800 LUX
Overall length		2120 mm	2140 mm	2120 mm	2140 mm
Overall width		1025 mm	1055 mm	920 mm	950 mm
Mattress platform height range		300 – 720 mm			
Under bed clearance (to underside of frame when bed is lowered)		250 mm			
Under bed clearance (to underside of actuator when bed is lowered)		150 mm			
Mattress platform length		2000 mm			
Mattress platform width		900 mm		800 mm	
Mattress platform angles (max)					
Maximum calf section height (optional – only if ratchet is fitted)		130 mm			
Trendelenburg / reverse-Trendelenburg tilt		0 - 12°			
Part weights	Footend mattress platform (with metal/wooden slats)	16 kg / 16,5 kg		15 kg / 15,5 kg	
	Headend mattress platform (with metal/wooden slats)	18,5 kg / 19 kg		17,5 kg / 18 kg	
	Bed end (each)	15,5 kg	20 kg	13,5 kg	18,5 kg
	Side rails (set)	11 kg			
Overall bed weight on the transport stand (without side rails; with metal/wooden slats)		66 kg / 67 kg	75 kg / 76 kg	62 kg/ 63 kg	72 kg / 73 kg

		TAURUS 2 WIDE	TAURUS 2 WIDE LOW	TAURUS 2 WIDE LUX	TAURUS 2 WIDE LOW LUX
Overall length		2140 mm			
Overall width		1320 mm		1350 mm	
Mattress platform height range		385 – 805 mm	205 – 625 mm	385 – 805 mm	205 – 625 mm
Under bed clearance (to underside of frame when bed is lowered)		335 mm	165 mm	335 mm	165 mm
Under bed clearance (to underside of actuator when bed is lowered)		245 mm	75 mm	245 mm	75 mm
Mattress platform length		2000 mm			
Mattress platform width		1200 mm			
Mattress platform angles (max)					
Maximum calf section height (optional – only if ratchet is fitted)		130 mm			
Trendelenburg / reverse-Trendelenburg tilt		0 - 12°			
Part weights	Footend mattress platform (with metal/wooden slats)	21 kg			
	Headend mattress platform (with metal/wooden slats)	24,5 kg			
	Bed end (each)	21 kg		27 kg	
	Side rails (set)	11 kg			
Overall bed weight on the transport stand (without side rails; with metal/wooden slats)		85 kg/-		98 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.

	TAURUS 2
Application environment	3, 4 and 5
Shock and vibration	To be used on a flat level floor (e.g. vinyl/carpet/laminate based)
UV	Intended for indoor use only

- As standard, the bed is delivered with a 10-button handset (with the function of Trendelenburg tilting).
- Rehabed-Bed sp. z o.o. recommend the use of the 9-button handset when the bed is being used in a domestic environment.
- If patient requirements are such that Trendelenburg functionality is deemed to pose a potential risk a replacement 9-button handset can be purchased with the Trendelenburg function removed – for details contact with your local distributor or the manufacturer.

- The Taurus 2 LOW does not meet the upper height and under bed clearance requirements of EN 60601-2-52, if patient requirements are such that the height range is deemed to pose a potential hazard the Taurus 2 should be used instead, please refer to the contact information in section 1.1 to request further information.
- The Taurus 2 WIDE bed uses square profiles instead of round ones. This change does not affect the functionality, use or safety of the product; the instructions remain valid for both versions.

15.2. MAXIMUM LOAD

	TAURUS 2	LIFTING POLE
Safe working load	215 kg	80 kg
Maximum User weight	180 kg	-

The safe working load is the sum of the weight of: occupant mass, mattress mass, accessories mass, mass supported by accessories (excluding the patient mass).

The above-listed maximum loads refer to a bed occupied by one person only. The bed is not designed to take the weight of visitors sitting on the side of the bed. Additional weight could damage components or cause the bed to become unstable, potentially causing injury.

15.3. TECHNICAL DATA OF SIDE RAILS

Taurus 2 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 2*	1986x85x28; 1986x95x28; 1986x100x28; 1985x110,5x25; 2150x110,5x25
TAURUS 2 MED*	1986x107x22
	** 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 2 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 Supply Plug	ECS control box
Voltage in:	100 - 240V, 50/60Hz	24-29V
Current in:	max. 2A	max. 8A
Standby power:	≤ 0.5W	-
Maximum power of the device:	225 VA	-
Electric shock protection:	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:	B type
Electrical shock prevention:	
Applied parts:	Mattress platform Profiling sections Bed ends Handset Side rails
Liquid ingress protection:	IPX4 – protection against water splashes
Noise level:	67dB(A) max
Service life:	5 years*

Environmental conditions:

	Operational limits**	Transportation / storage limits
Ambient temperature:	+10ºC to +40°C***	-20°C to +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

* After 5 years, electronic components should be serviced or replaced to maintain safe operation for up to 10 years.
** 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.
*** When operating the bed at an ambient temperature of 40°C the handset may reach a temperature of 42,7°C.

16. ACCESSORIES

Taurus 2 beds have been tested and approved with the following accessories:

- Lifting pole with a handle
- Bed extension of Taurus 2 bed mattress platform (+mattress extension and extended side rail)
- 9-button handset (without head down tilt function)
- Emergency power supply - The Battery Backup System (ECS)
- Bed End Wooden Surround (enabling convert the standard version into a lux version)*
- Leg section ratchet
- Drip holder
- Grab rail

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

* The Taurus 2 Bed End Wooden Surround accessory is available in the various colour versions. When ordering, remember to specify the colour.

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 – a hazard could be introduced due to product combination incompatibility.
- The manufacturer is not responsible for any injuries or incidents connected with the use of unapproved accessories.

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 2 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	800x2000x120; 800x2000x150; 900x2000x120; 900x2000x150; 1200x2000x15
Waffle mattress with HR insert	800x2000x120; 800x2000x150; 900x2000x120; 900x2000x150; 1200x2000x120
Foam mattress	800x2000x120; 800x2000x150; 800x200x200; 900x2000x120; 900x2000x150; 900x2000x200
Foam mattress	800x2000x120; 800x200x150; 900x2000x120; 900x2000x150; 1200x2000x150; 1200x2000x120
Foam mattress with HR insert	800x2000x150; 900x2000x150
Mattress extension	800x200x120; 800x200x140; 800x2000x150; 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 Taurus 2 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.

  When using the bed with a dynamic mattress, the space introduced by cell compression at the mattress edge and the side rail (if fitted) is to be considered. A patient risk assessment must be performed to ensure an asphyxiation risk is not

introduced by the patients face inadvertently sinking into the gap between the mattress and side rail.

- 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.
- Dynamic mattresses are not to be used with the bed in its extended state - no suitable extension blocks available to fill the gap, as such a hazardous gap will be generated.

Warning

- 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.
- When fitting a mattress, ensure it is seated inside the mattress retainers at the sides and foot end of the bed.
- It is essential that dynamic mattresses straps are only attached to the moving parts of the profiling 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.

Caution

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 by Reha-Bed Sp. z o.o..

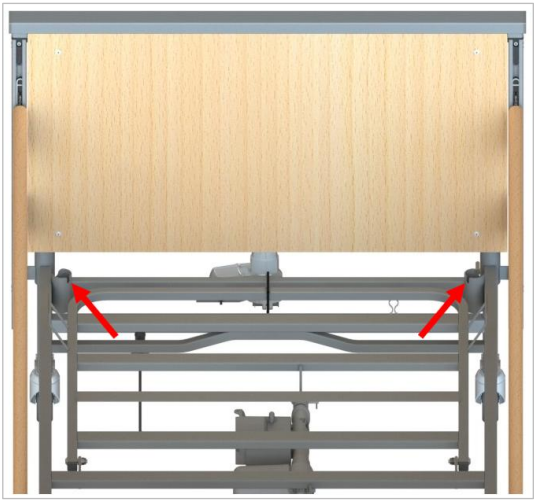
It is the carer's responsibility for selecting and fitting the products correctly and ensuring that the product combination is compatible. If in doubt, contact the supplier or the manufacturer.

16.2. LIFTING POLE

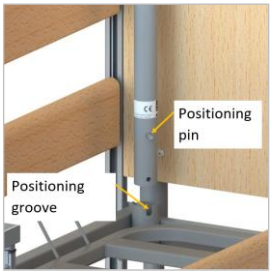
Optionally, the bed can be equipped with a lifting pole with a triangular handle with an adjustable length of the belt. In order to install the lifting pole:

- 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

REHA-BED Sp. z o.o.
ul. Spacerowa 1
41-253 Czeladź
phone (+48 32) 346 00 33
fax. (+48 32) 346 00 34
biuro@rehabed.com.pl

INSTRUC/TR2/EN, 2026/02 REV12