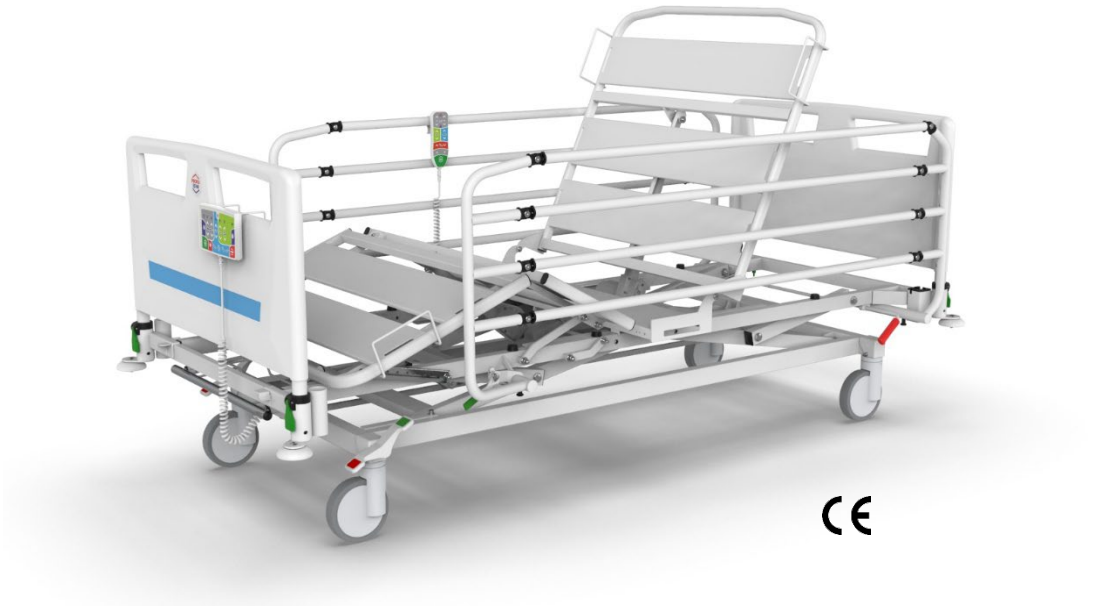
INSTRUCTIONS



GENEO

Hospital bed for standard care

GRANO

Care bed for standard care

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Dear Client,

Thank you for purchasing the product of our company. PROMA REHA, s.r.o. is a leading manufacturer of medical equipment for hospitals, rest homes and other health centres operating on the Czech and foreign markets for more than 25 years. The products of PROMA REHA, s.r.o. are known due to their modern light structures, which, despite their low weight, achieve state-of-the-art parameters, strength and utility reliability. Precise surface finish, thought-out construction and production technology, associated with the cutting-edge treatment of all surfaces, provide the products with long service life. We therefore firmly believe that the purchased product will serve you for a long time and to your absolute satisfaction. To achieve this under all operating conditions, we would like to ask you to read thoroughly and observe the following safety, operation, utility and service instructions. In case of any difficulty or uncertainty, please contact our technical department at the address below or our sales representative who has facilitated the purchase of our product. You can also obtain the necessary information regarding spare parts deliveries, service intervention options, repairs or periodic safety-technical inspections. Further up-to-date information about the company, its products, services and special offers can also be obtained on www.promareha.cz.

Customer Department: (+420) 491 11 22 33, info@promareha.cz

We wish you carefree use of the purchased product, your

PROMA REHA, s.r.o.

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1 INTRODUCTION

These Instructions for Use are designated for the beds of **GENEO and GRANO** type.

The user must read these Instructions before handling of the bed for the first time.

The user is obligated to operate the bed according to these Instructions for Use.

Actions performed at variance with the Instructions for Use may cause damage to the bed, damage to the health of a patient, operator or third party. In such case, the manufacturer waives responsibility for damage caused!

The Instructions for Use must be available for the whole service life of the bed!

The manufacturer reserves the right to change the contents of these Instructions for Use related to the technical parameters and adjustments of the bed!

Use of the **GENEO** type beds

- emergency care provided in a hospital or other healthcare facility where health supervision and monitoring are required and where medical electrical devices are often used to maintain or improve the patient's condition,
  long-term care in the medical facility where health supervision is required and, if necessary, monitoring is carried out and medical electrical devices may be used to assist in medical procedures to maintain or improve the patient's condition.

Use of **GRANO** type beds

- intensive/critical care provided in a hospital where health supervision and continuous monitoring during 24 hours are required and where provision of life support systems/devices used in medical interventions is necessary to maintain or improve the patient's vital functions
  emergency care provided in a hospital or other healthcare facility where health supervision and monitoring are required and where medical electrical devices are often used to maintain or improve the patient's condition

The bed is intended for the handling of one lying person!

The bed must never be used to lift materials, loads or other persons.

The bed must not be positioned or lifted to the positions which, with regard to the patient's condition, could cause bodily harm or could endanger the patient's life!

The bed may be operated by a medical staff who has been thoroughly familiarised with these Instructions for Use. The partial function of the bed may be used by the patient instructed by health care staff!

The bed must not be operated by persons under the age of 12 without the supervision of an adult!

If the bed is not used, it must remain braked and in the basic position (i.e. the bearing area and all the adjustable parts are in the lowest possible position)!

If the patient is not under supervision, the bed must be braked and kept in the lowest position in order to reduce the risk of injury due to falling out of the bed!

In such case, a patient can be a designated attendant here. If the product is equipped with a patient controller, the patient can control some of the basic functions, such as the adjustment of the position of: back part, thigh part, calf part; the adjustment of the bearing area height, the auto contour position, the cardiac chair, the Anti-Tendelenburg function and the position of getting out. All of these functions can be arrested so that the patient cannot change the function which is hazardous due to his/her state of health. All other functions of the bed are designated for a professionally trained person.

The pictures used further in the Instructions for Use are illustrative and do not necessarily match the purchased bed!

The manufacturer is authorised to manufacture the products of this type on the basis of the "Permission to Manufacture and Distribute Medical Devices" granted by the Ministry of Health of the Czech Republic Ref. No. FAR-742-25.4.1995 733/8.
The manufacturer operates according to certified quality management systems in accordance with the following standards:

ČSN EN ISO 9001:2016
ČSN EN ISO 13485 ed.2:2016
ČSN EN ISO 14001:2016

The bed complies with international standards:

ČSN EN 60601-1
ČSN EN 60601-1-2
ČSN EN 60601-2-52
ČSN EN 60601-1-6
ČSN EN ISO 14971
ČSN EN 1041
ČSN EN ISO 15223-1

2 METHOD OF DELIVERY

The bed is delivered assembled and ready for use. The accessories are supplied separately with the necessary fastening material to be attached to the bed. Upon delivery, the entire content of the delivery must be checked according to the delivery note.

Any defects, damage or deficiencies must be immediately notified in writing to the carrier and the manufacturer!

Check the completeness of the delivery and its condition according to the delivery note. Record any deficiencies in the delivery or transport note and hand them over to the seller in writing!

3 SAFETY INSTRUCTIONS

- **Before using the bed, it is necessary to familiarize yourself with the Instructions for Use and carry out the operation only in accordance with them!**
- **The bed may only be operated by the persons who are familiar with the Instructions for Use in detail!**
- **The bed must not be used, if it is not in perfect condition, especially if there were found the defects that could harm a patient, operating personnel or damage the bed**
- **Use the bed only in the interior and on flat floors!**
- **The bed must not be overloaded!**
- **The bed is intended for one patient only!**
- **In case of oversize patients, it is necessary to pay increased attention to the adjustment of positions - there is a risk of injury**
- **The bed may only be used with an electric socket for which it is intended!**
- **When a patient remains unsupervised by health care personnel, set the bed to the lowest position and brake it!**
- **According to the decision of the health care professional, partial bed functions may be used by the patient after thorough training by the health care professional!**
- **The bed must always be properly braked apart from its relocation. Medical staff must always make sure that the bed is braked before use. If the bed is not braked, there may exist an increased risk of injury when the bed starts moving spontaneously, mainly when getting up of the bed, seating on the bed or leaning against it!**
- **The bed with a patient may be moved only at the lowest position of the bearing area and with both siderails lifted to increase patient's safety.**
- **Before handling the siderails, make sure that there is no risk of injury to the patient or damage to other objects due to squeezing in the moving parts or falling out of the bed!**
- **When adjusting the bearing area height, there must be no objects between the bed frame and the chassis (ground) – they could be damaged or the operator or a third party may be injured!**
- **When adjusting the back or foot part, there must not be any objects between the bed frame, the headboard and the back or foot part – they could be damaged or the patient, the operator or a third party may be injured!**
- **Adjusting to the special Trendelenburg and Anti-Trendelenburg positions may only be carried out by healthcare professionals!**
- **Before adjusting to the Anti-Trendelenburg position, insert the bedding rack into the bed - in the basic position!**
- **The power network cable must always be routed in such a way to avoid its damage due to winding around the moving parts or pressing between them - there is a serious risk of electric shock!**
- **Service interventions must only be performed by a service centre authorized by the manufacturer and using original spare parts!**
- **Risk of injury to a patient, operator, third party or damage to the surrounding equipment may arise mainly from:**
  - **unauthorized use,**
  - **a careless procedure when adjusting the back or foot part position,**
  - **a careless procedure, when adjusting the height of the bearing area,**
  - **adjusting the bed with the patient to special positions – especially TR, ATR,**
  - **operating the bed on the surface for which it is not intended,**
  - **maintenance in an unauthorised manner or by an unauthorised person,**
  - **wrong laying a patient on the bed (the patient's head in the area of the legs)**
  - **when using a specific mattress intended to achieve a prophylactic or therapeutic effect!**

The bed is powered from the electrical network and can therefore interfere with extremely sensitive devices. During the development of the bed, the utmost was done to minimize the risk of adverse electromagnetic influences. The bed is manufactured in full compliance with harmonised standard EN 60601-1-2. When using the bed in full compliance with the Instructions for Use, you can avoid any problems!

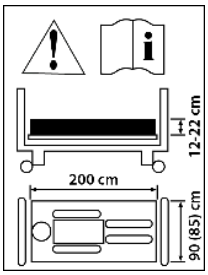
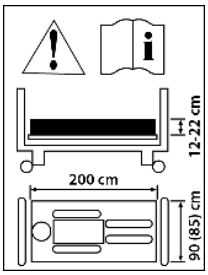
4 CONDITIONS OF USE

⚠ The bed may only be used in the interior with the ambient temperature ranging between +10°C and +40°C, the relative humidity between 30% and 75% and the atmospheric pressure between 700 hPa and 1060 hPa.

⚠ The bed is not intended for wet and explosive environments.

5 TECHNICAL PARAMETERS

All beds are made of quality steel profiles, which are subsequently surface-treated with baking varnishes, zinc or chromium layer. The beds are also supplemented with metal, plastic or wooden sheathing in various designs and types. Furthermore, the beds may differ in the width of the bearing area and other special functions (extension of the bearing area, pulling headboard and footboard, special functions of the Trendelenburg and Anti-Trendelenburg positions.

	GENEO	GRANO
Bearing area length	200 cm	200 cm
Bearing area width	90 cm	90 cm
Outer bed width (with boards)	99.5 cm ±5 mm	P, K, E - 99.5 cm * ±5 mm
Outer length of the bed (with boards)	220 cm ±5 mm	P - 210 cm; K - 211 cm; E - 215 cm ** ±5 mm
Bearing area height	40-85 cm / ±5 mm	40-85 cm ±5 mm
Bearing area extension	1 x 30 cm	-
Mattress thickness, when used under normal conditions	14 cm	14 cm
Recommended minimum mattress thickness	12 cm	12 cm
Recommended maximum mattress thickness	22 cm	16 cm
Recommended mattress size	90 x 200 cm	90 x 200 cm
		
Weight	125 kg (according to configuration)	125 kg
Safe operating load of the bed	270 kg	270 kg
Maximum patient weight	235 kg (205 kg for application environment 2)	235 kg
The bed is intended for application environment	2, 3	1,2
		
Max. angles of adjustable parts: back	72° ±2°	72° ±2°
thigh	40° ±2°	40° ±2°
calf	25° ± 2°	25° ± 2°
TR/ATR angle	16° / 16° / ±1°	16° / 16° / ±1°
Length of the bearing area parts		
Back part	78.5 cm	78.5 cm
Pelvic part	20 cm	20 cm
Thigh part	29 cm	29 cm
Calf part	52 cm	52 cm

* Width with impact wheel dimensions + 3 cm
** Length with impact wheel dimensions P,K + 7 cm / E + 5 cm

Where a specific mattress intended to achieve a prophylactic or therapeutic effect is used, it is possible to use the mattresses up to the height of 26 cm. In this case, there may be an increased risk of the patient falling out of the bed. Pay special attention when positioning the bearing area to the special positions!

In case of the beds intended for emergency care provided in a hospital or other healthcare facility where health supervision and monitoring are required and where medical electrical devices are often used to maintain or improve the patient's condition, due to the higher weight of accessories the patient's maximum weight is reduced to 205 kg!

Parameters of electrical parts used on the bed, Onimed

Operating voltage	230 V
Supply frequency	50/60 Hz
Maximum input	350 W
Protection class	II
Applied part	B type
Protection	minimum IPS4
Motor load	10%, 2 min. max. load/18min. in rest
Nominal value of fuse	5 A
Weighted level of noise acoustic power	48 dB measured according to ISO 3746, not loaded

Parameters of electrical parts used on the bed, Linak

Working voltage	100 - 240 V
Supply frequency	50/60 Hz
Current	2.5 A
Protection class	II
Applied part	B type
Protection	minimum IPX6
Motor load	10%, 2 min. max. load/18min. in rest

6 BED PLACEMENT

The bed should be placed in such a way that there is at least 40 cm of free space around it on each side. Furthermore, make sure that no items, such as shelves, televisions, etc., are placed above the bed, which could be released or pulled down by the bed when adjusting its position or lifting it and it could therefore result in the injury to the operator or the patient! If the bed is equipped with accessories (e.g. trapeze bar, infusion stand, extension kit, etc.), the operator controlling the bed must ensure that none of the parts of the bed or accessories touches, leans against or otherwise contacts the ceiling, niches or other fixed or removable objects placed on the walls or dropped ceilings, such as shelves, lamps, etc. If there is not enough space for such handling, remove the accessories or place the bed on another place, so that it does not come into contact with other objects.

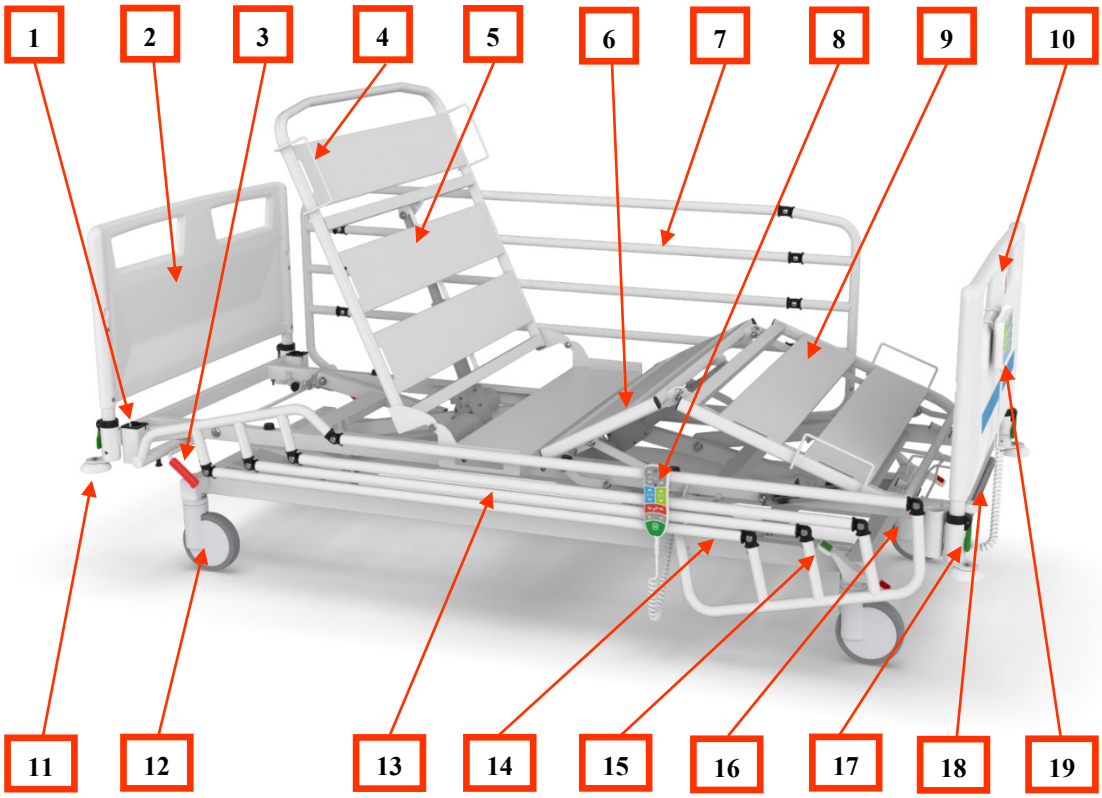
If the bed is equipped with tilting of the bearing area to the special Trendelenburg or Anti-Trendelenburg positions, it must always be located so that it does not collide with the surrounding objects in any of these positions. When using these positions, always monitor the trajectory of the accessory placed on the bed. The trapeze bar with a small vertical bar, the infusion stand or the extension kit in the above-mentioned extreme positions exceed the contour of the bed. They could cause damage to the surrounding objects or injury to a third party!

Always place the bed in such a way that there is at least 5 cm free space on each side of it. When adjusting the bearing area height, it may be deflected. If the bed is placed close to the surrounding objects (walls), it could be damaged, or it could damage the surrounding things or cause bodily harm to the patient, the operator or a third party!

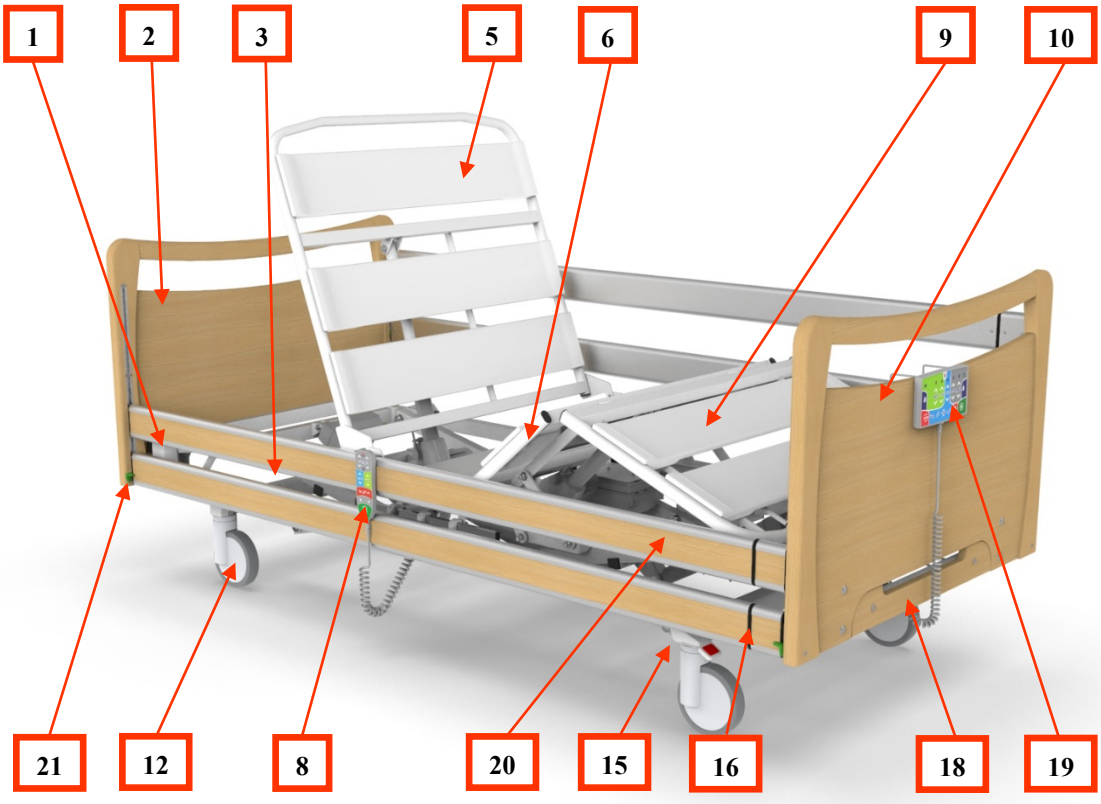
If the bed is equipped with Trendelenburg, Anti-Trendelenburg positions, place it so that the bed does not collide with the surrounding objects in both extreme positions!

If the bed is fitted with the accessories (trapeze bar with a small vertical bar, infusion stand, etc.), observe the accessories trajectory each time the bed is adjusted because in the Trendelenburg and Anti-Trendelenburg positions, the accessories substantially exceed the bed contour!

7 BED DESCRIPTION



1) Universal accessory holder
2) Headboard
3) CPR
4) Mattress holder
5) Back part
6) Thigh part
7) Tiltable siderail
8) Patient manual controller
9) Calf part
10) Footboard
11) Impact wheel
12) Caster
13) Stainless 'Eurobar'
14) Tiltable siderail control
15) Central brake lever
16) Bearing area extension
17) Board lock
18) Bedding rack
19) Nurse panel
20) UNI Siderails
21) UNI siderail lock



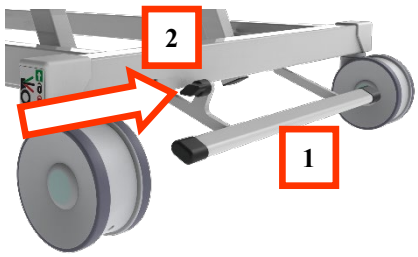
8 INSTALLATION AND COMMISSIONING OF THE BED

This chapter lists the basic tasks that must be fully performed before the bed is put into operation for the first time!

- **Consult the Instructions for Use thoroughly.**
- **Remove all packaging material from the bed and dispose of it in an environmentally friendly way**
- **Check the completeness of the delivery and its condition according to the delivery note. Record any deficiencies in the copy of the delivery or transport note and send them in writing to the manufacturer or dealer.**
- **Leave the bed to adapt to the ambient temperature**

If the bed is free from all packaging and fixation elements, leave it without the mattress and bedding for at least two hours the room where it will be used. This step is essential for adapting the temperatures of the individual parts of the bed to the environment in which it will be used. If vapours are condensed on the bed structure, leave the bed at rest until the last traces of condensate disappear from its structure.

- **While the temperature is balancing, read the COMPLETE Instructions for Use thoroughly.**
- **Never perform the performance test before studying the entire Instructions for Use.**
- **If the accessories are included in the delivery, install them according to the Instructions for Use.**
- **If the GRANO bed is delivered with the lift of the bearing area up to 25 (27) cm, install the automatic brake on the central brake control, which is part of the package:**
  - Lift the bed using the controller
  - Screw the plastic rose button (2) on the outside of the central trapeze bar (1), see figure
  - Carefully tighten the plastic rose button
- **Test the functionality of the individual parts of the bed according to the Instructions for Use**



WARNING! The power supply cable for the drive of the bed must not be connected to doubles, similar hubs, extension cables with one or more sockets, which are not approved for use in the country of use, and which do not have an appliance input power of at least 1000 W. None of the supply cables may be led in such a way that they can be pinched, broken or otherwise damaged when the bed and its parts are moving!

Insert the power supply cable plug into the 230V/50-60Hz power network socket. After insertion, the bed must not emit any sound and must not move spontaneously. If that happens, immediately disconnect the power supply cable of the bed from the power supply and contact an authorized service or supplier. When the plug is inserted into the network socket, the backup battery of the bed starts to charge automatically. On the nurse panel display or patient controller, the LED diode indicating the connection of the bed to the power network goes on as well as the pictogram indicating the charging of the backup battery. If the bed was out of service for a long time before being connected to the network and the backup battery is completely discharged, let the bed fully charge. Fully discharged backup batteries may not allow full parallel positioning of all parts of the bed, and if the backup battery is very low, joint motion of multiple motors may be phased into the sequence of partial movements.

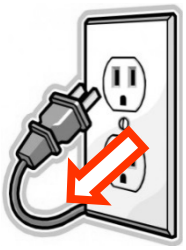
If the backup battery is charged, use all kinds of controllers in the sequence of the nurse panel, patient controller and satellite controller, gradually test the adjustment of all bed parts as described below in these Instructions for Use. If the movable parts of the bed do not start to move within five seconds, or if you hear that the bed motors work excessively, stop positioning and disconnect the bed power supply cable from the power supply. Check if there is no packaging material left on the bed that could cause non-standard behaviour or if the nurse panel or some of its functions are not locked. If necessary, unlock these functions, see Chapter 10.2, Nurse Panel. If no cause of malfunction is found on the bed, contact the authorised service centre or manufacturer. If the bed is not working properly repeatedly, contact the service centre. If the initial test of positioning takes place without any problems, you can start using the bed.

⚠ **Keep the Instructions for Use safe**

In case of any malfunction, disconnect the bed from the electrical network and contact the manufacturer or supplier of the bed!

The manufacturer permits any major repairs and modifications to the bed in the authorised service centre or directly at the manufacturer only. Minor defects can be removed on site by an authorised service technician!

9 RELOCATION AND HANDLING



Before moving the bed itself, always position it in the basic position (i.e. the bearing area and all the adjustable parts are in the lowest possible position). **When moving and handling, the guards must always be secured in the upper position to reduce the risk of a patient falling.** Disconnect the power supply cable, hook it using the hook attached to the cable behind the headboard or any part of the bearing area. Secure the power supply cable fork to prevent the cable from moving or squeezing while the bed is transferring. Similarly, secure the patient controller to prevent it or its power supply cable from damaging. Make sure that the power supply cable or controller is not pulled over the ground. This could damage them, break them or damage the insulation. When reconnecting the bed, follow the Instructions for Use, especially observe the points listed in the chapter Installation and Commissioning of the Bed.

The bed can be moved in the basic position only (i.e. the bearing area and all the adjustable parts are in the lowest possible position)!

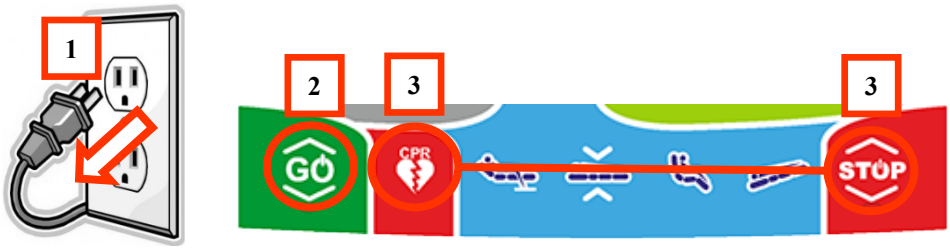
When moving and handling, the guards must always be secured in the upper position to reduce the risk of a patient falling.

The bed may only be moved with the properly secured power supply cable and the controller against damage!

9.1 SWITCHING OFF - THE BED WITH THE NURSE PANEL

If necessary to switch off the bed during transfer or storage, it is possible to switch it to the transport/storage mode (off):

- **Disconnect the power supply cable of the bed from the electricity network (1)**
- **Activate the nurse panel using the GO button (2)**
-
- **Press the CPR and STOP buttons simultaneously and hold them for at least 5 seconds (3) -** the entire electronics will switch off and the nurse panel will go out



The electronics can be switched on again by connecting the bed to the electricity network or by short pressing (<1 second) the reset button on the control box.

9.2 SWITCHING OFF - THE BED WITH THE PATIENT CONTROLLER

If necessary to switch off the bed during transfer or storage, it is possible to switch it to the transport/storage mode (off):

- **Disconnect the power supply cable of the bed from the electricity network (1)**
- **Activate the controller using the GO button (2)**
- **Press the GO and STOP buttons simultaneously and hold them for at least 5 seconds (3)** - the entire electronics will switch off and the controller will go out

The electronics can be switched on again by connecting the bed to the electricity network or by short pressing (<1 second) the reset button on the control box.

9.3 SWITCHING ON THE BED

You will switch the bed on by connecting the power supply cable to the network or by short pressing the RESET button on the control box.

10 Electrical Control Elements – General Operating Instructions

The beds are equipped with reliable control units, controllers and motors that have low noise levels and do not place any demands on maintenance even after several years of operation. The bed may be equipped with multiple types of electronics based on the bed configuration.

Before positioning any part or entire bearing area, make sure that the power supply cable or the hand controller cable cannot be interrupted by a single movement. This may happen especially due to inappropriate cable pulling through the bed chassis!

Always use reasonable force to control the buttons on all controllers. When pushing the buttons, never use the force exceeding 10 N. Excessive load, control by other parts of the human body or using other things for control may result in bodily harm and damage to the equipment!

Press the buttons in the their centres with finger pads only. Otherwise it may result in simultaneous pressing of more buttons! In such case, the bed would start positioning in the direction of the first push-button pressed. Others are ignored!

When adjusting the positions of any parts of the bed, no foreign object or part of the human body may interfere with the working area of the moving parts of the bed. Furthermore, make sure that there is no object above the bed that could collide with the bed surface or its accessories during adjustment. It may cause damage to its parts and accessories, but especially bodily harm!

The maximum permitted time for the continuous operation of the motors is 2 minutes, then a break must follow for at least 18 minutes!

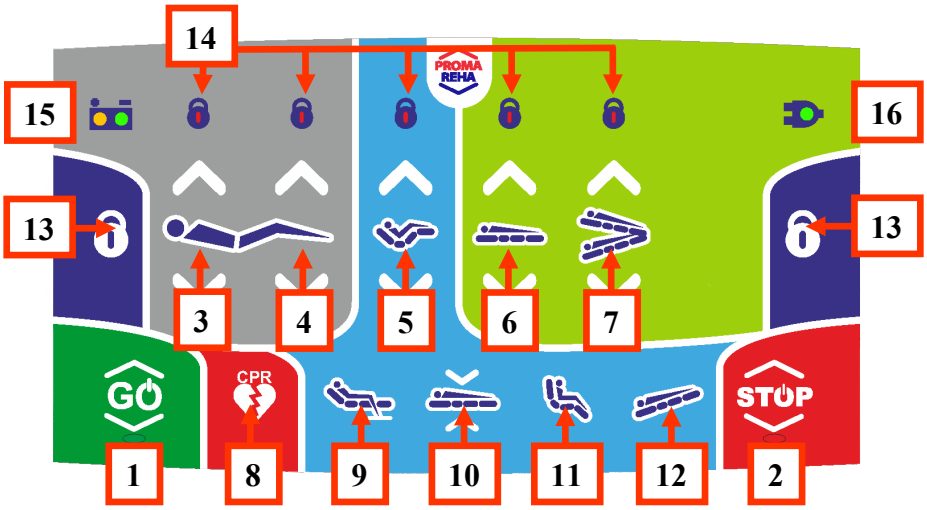
If the bed is not used, it must remain in the basic position (i.e. the bearing area and all the adjustable parts are in the lowest possible position)!

10.1 Nurse Panel Onimed

Before starting the first adjustment of position, you are obliged to fully familiarize yourself with the general operating instructions of the electrical control elements in the chapter 10. The person not familiarized with the general operating instructions must not control the beds!

The bed can be equipped with the nurse panel. The panel is equipped with a hook at the back part for hanging the panel into the headboard and footboard holes. You can find a description of the individual buttons and functions below:

1) **Activation GO button**
2) **STOP button**
3) **Back part positioning**
4) **Thigh part positioning**
5) **“Auto contour” positioning**
6) **Bed height adjustment**
7) **Trendelenburg/Anti-Trendelenburg**
8) **CPR**
9) **Getting out position**
10) **Examination position**
11) **Cardiac chair**
12) **Anti shock position**
13) **Function lock**
14) **Function lock indication**
15) **Display of the battery status**
16) **Indication of connecting to the network**



The bed is delivered in the OFF mode. After its switching on, insert the power supply cable into the electricity network. After inserting the plug of the bed power supply cable into the 230V/50-60Hz network socket, the indication diode (16) signals the connection of the nurse panel to the control unit and the bed to the network. If the bed does not go on itself, it is necessary to press the RESET button located on the control box.

10.1.1 GO Button

The nurse panel is protected against accidental activation. In order to use the control elements, it is always necessary to wake up the nurse panel first by activating the GO button (1). An exception is the CPR emergency position, for which the activation of GO is not necessary. After pressing the activation GO button, the LED diode is released and lit below the GO button. Subsequently, the nurse panel is ready to accept the operator's requirements for 30 seconds. 30 seconds after the last push of the button, the controller goes to the sleep mode again and must be activated again for the next control.

10.1.2 STOP Button

The STOP button (2) is used for immediate finishing the positioning from any controller and measuring the 30-second time interval to perform the necessary measures via the nurse panel. Other panels remain deactivated for this time period, even after pressing the GO button (1). To reactivate the nurse panel press the activation GO button (1) first.

10.1.3 Standard Adjustment

Press the GO button (1) to activate the nurse panel, then the bed can be positioned. Always operate the given functions by pressing and holding the relevant button until the required position is set. After releasing the button, the part will be automatically locked in the position in which it is currently located. If the adjusted part reaches its maximum or minimum position, it is not possible to adjust it further in the given direction. Then it is possible to position the given part only in the opposite direction. Adjust individual parts by pressing the relevant button upwards or downwards:

- **Back part (3)**
- **Thigh part (4)**
- **Auto contour (5)** – simultaneous positioning of the back and thigh part
- **Height of the bearing area (6)** – (height adjustment of the bearing area)
- **Trendelenburg (7 ↓)** — head down, legs up
- **Anti-Trendelenburg (7 ↑)** — head up, legs down

Pay increased attention to adjusting the bed position because it can result in the patient falling out. Positioning to the special Trendelenburg and Anti-Trendelenburg positions is only permitted for medical professionals.

Positioning to the special Trendelenburg and Anti--Trendelenburg positions is only permitted for medical professionals. There may be an increased risk of the patient falling out of the bed!

During positioning to special positions, the patient must always be under the supervision of healthcare professionals!

10.1.4 One-Button Positions

For simpler and faster settings of the frequently used positions, the nurse panel is equipped with quick “one-button” functions. To adjust the given positions activate the nurse panel by pressing the GO (1) button followed by pressing and holding the respective button until the required position is set. In order to use the CPR function, it is not necessary to activate the nurse panel using the GO button:

- **CPR (8)** – individual parts of the bearing area and the bearing area go to the lowest position suitable for cardiopulmonary resuscitation
- **Getting out position (9)** – the back part moves to the maximum position and the bearing area runs to the lowest position suitable for safe leaving the bed
- **Examination position (10)** – individual parts of the bearing area are tilted to the lowest position and the bearing area is set to the highest position
- **Cardiac chair (11)** – the bed is set to the chair position
- **Anti shock position (12) –** individual parts of the bearing area are tilted to the lowest position and the bearing area is tilted to the Trendelenburg position

The CPR and Trendelenburg functions or the anti shock position, must only be used by healthcare professionals and used in emergency situations only. There may be an increased risk of the patient falling out of the bed!

During positioning to special positions, the patient must always be under the supervision of healthcare professionals!

10.1.5 Function Lock Using the Nurse Panel

The nurse panel is used to lock the individual functions of the patient controller in order to prevent them from being activated by the patient. After locking the function on the patient controller, this function remains available for control from the nurse panel. Lock the individual functions as follows:

- **Activate the nurse panel using the GO button (1)**
- **Press one of the function lock buttons (13) simultaneously with one of the function buttons that you want to lock (3, 4, 5, 6 or 7) -** e.g. function lock button (13) + one of the Back part positioning buttons (3) to lock the back part positioning function
- **Locked function is indicated by the LED diode (14) going on above the locked function and indicating the lock on the patient controller**
- **Unlock the function by repeated pressing the Function lock button (13) and the required functions (3, 4, 5, 6 or 7)**

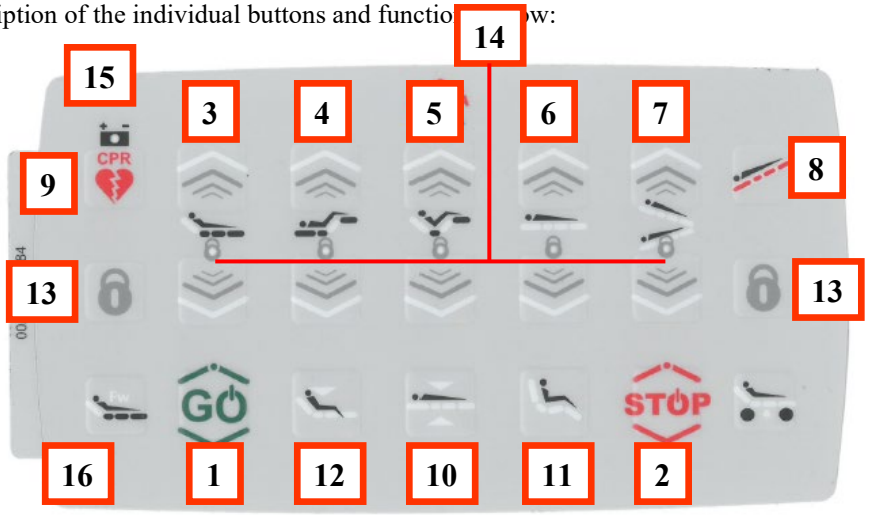
The function locks to improve patient safety. Professional health staff decide on the patient's ability to perform partial positioning of the bed separately. Always carefully consider which functions can be safe and available for self-control by the patient, taking into account their health and mental condition!

10.2 Nurse Panel Linak

Before starting the first adjustment of position, you are obliged to fully familiarize yourself with the general operating instructions of the electrical control elements in the chapter 10. The person not familiarized with the general operating instructions must not control the beds!

The bed can be equipped with the nurse panel. The panel is equipped with a hook at the back part for hanging the panel into the headboard and footboard holes. You can find a description of the individual buttons and functio w:

1) **Activation GO button**
2) **STOP button**
3) **Back part positioning**
4) **Thigh part positioning**
5) **"Auto contour" positioning**
6) **Bed height adjustment**
7) **Trendelenburg/Anti-Trendelenburg**
8) **Anti shock position**
9) **CPR**
10) **Examination position**
11) **Cardiac chair**
12) **Getting out position**
13) **Function lock**
14) **Function lock indication**
15) **Display of the battery status**
16) **Fowler's position**



The bed is delivered in the OFF mode. After turning it ON insert the power supply cable plug into the 230 V/50-60 Hz power network socket. The bed activation is signalled with a short beep.

10.2.1 GO Button

The nurse panel is protected against accidental activation. In order to use the control elements, it is always necessary to wake up the nurse panel first by activating the GO button (1). An exception is the CPR emergency position, for which the activation of GO is not necessary. After pressing the activation GO button, the activation will take place. Subsequently, the nurse panel is ready to accept the operator's requirements for 30 seconds. 30 seconds after the last push of the button, the controller goes to the sleep mode again and must be activated again for the next control.

10.2.2 STOP Button

The STOP button (2) is used for immediate finishing the positioning from any controller and measuring the 30-second time interval to perform the necessary measures via the nurse panel. Other panels remain deactivated for this time period, even after pressing the GO button (1). To reactivate the nurse panel press the activation GO button (1) first.

10.2.3 STANDARD ADJUSTMENT

Press the GO button (1) to activate the nurse panel, then the bed can be positioned. Always operate the given functions by pressing and holding the relevant button until the required position is set. After releasing the button, the part will be automatically locked in the position in which it is currently located. If the adjusted part reaches its maximum or minimum position, it is not possible to adjust it further in the given direction. Then it is possible to position the given part only in the opposite direction. Position individual parts by pressing the relevant button upwards or downwards:

- **Back part (3)**
- **Thigh part (4)**
- **Auto contour (5)** – simultaneous positioning of the back and thigh part
- **Trendelenburg (6 ↓)** — head down, legs up
- **Anti-Trendelenburg (6 ↑)** — head up, legs down
- **Height of the bearing area (7)** – height adjustment of the bearing area

Pay increased attention to adjusting the bed position because it can result in the patient falling out. Positioning to the special Trendelenburg and Anti-Trendelenburg positions is only permitted for medical professionals.

Positioning to the special Trendelenburg and Anti--Trendelenburg positions is only permitted for medical professionals. There may be an increased risk of the patient falling out of the bed!

During positioning to special positions, the patient must always be under the supervision of healthcare professionals!

10.2.4 ONE-BUTTON POSITIONS

For simpler and faster settings of the frequently used positions, the nurse panel is equipped with quick “one-button” functions. To adjust the given positions activate the nurse panel by pressing the GO (1) button followed by pressing and holding the respective button until the required position is set. In order to use the CPR function, it is not necessary to activate the nurse panel using the GO button:

- **Anti shock position (8) –** individual parts of the bearing area are tilted to the lowest position and the bearing area is tilted to the Trendelenburg position
- **CPR (9)** – individual parts of the bearing area and the bearing area go to the lowest position suitable for cardiopulmonary resuscitation
- **Examination position (10)** – individual parts of the bearing area are tilted to the lowest position and the bearing area is set to the optimum position for patient examination.
- **Cardiac chair (11)** – the bed is set to the chair position
- **Getting out position (12)** – the back part moves to the maximum position and the bearing area runs to the lowest position suitable for safe leaving the bed
- **Fowler’s position (16)** – the back part is positioned up to 30° This position relieves the pain and facilitates breathing.

The CPR and Trendelenburg functions or the anti shock position must only be used by healthcare professionals and used in emergency situations only. There may be an increased risk of the patient falling out of the bed!

During positioning to special positions, the patient must always be under the supervision of healthcare professionals!

10.2.5 FUNCTION LOCK USING THE NURSE PANEL

The nurse panel is used to lock the individual functions of the patient controller in order to prevent them from being activated by the patient. After locking the function on the patient controller, this function remains available for control from the nurse panel. Lock the individual functions as follows:

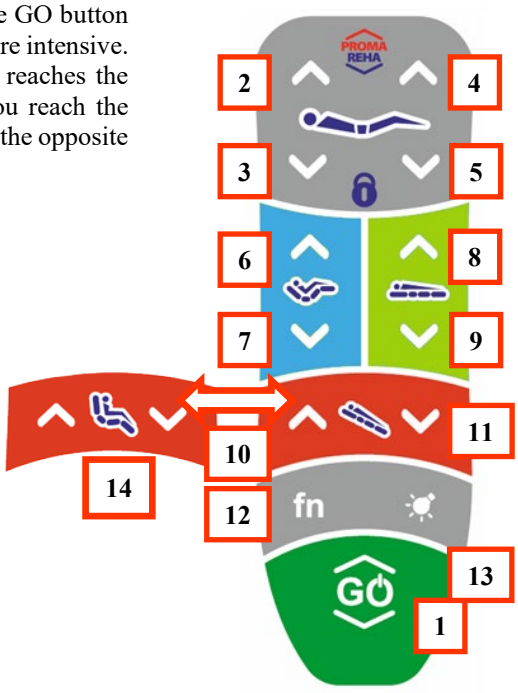
- **Activate the nurse panel using the GO button (1)**
- **Press one of the function lock buttons (13) simultaneously with one of the function buttons that you want to lock (3, 4, 5, 6 or 7) -** e.g. function lock button (13) + one of the Back part positioning buttons (3) to lock the back part positioning function
- **Locked function is indicated by the LED diode (14) going on above the locked function and indicating the lock on the patient controller**
- **Unlock the function by repeated pressing the Function lock button (13) and the required functions (3, 4, 5, 6 or 7)**

The function lock is used to improve patient safety. Professional health staff decide on the patient’s ability to perform partial positioning of the bed separately. Always carefully consider which functions can be safe and available for self-control by the patient, taking into account their health and mental condition!

10.3 PATIENT HAND CONTROLLER WITH ILLUMINATION

Before starting the first positioning, you are obliged to fully familiarize yourself with the general operating instructions of the electrical elements in the chapter 10. The person not familiarized with the general operating instructions must not control the beds!

Beds are equipped with the patient hand controllers. If the bed is on, the lights on the controller are slightly illuminated. Follow the steps below to use the hand controller. Press the GO button (1) to activate the controller. The GO button goes on (1) and the illumination gets more intensive. Then press and hold the button of the required function until the positioned part reaches the required position. Then release the button, the part is automatically locked. If you reach the maximum position, positioning is stopped and further positioning is possible only in the opposite direction.



Position individual parts by pressing the relevant button upwards or downwards:

(2) and (3) - ***back part*** positioning
(4) and (5) - ***thigh part positioning***
(6) a (7) - ***Auto contour function*** (you adjust the back and thigh parts simultaneously)
(8) and (9) - positioning *of* ***the bearing area***
(10) * - ***Anti-Trendelenburg position*** (the bearing position is tilted with the head up)
(11) * - ***Trendelenburg*** function (the bearing area is tilted with the head down) only if the bed is provided with the battery source
(14) - ***Cardiac chair*** (can replace the TR / ATR functions)

The controller is also equipped with the FN (12) button as an additional function at the customer's request and is used for lighting for a patient (13).

Pay increased attention to the adjustment of the bed position; in some positions, there may be an increased risk of the patient falling out of the bed.

10.3.1 FUNCTION LOCK OF THE PATIENT CONTROLLER

Individual functions of the patient controller can be locked. Locked function is indicated by changing the illumination from white to red for the given function.
Lock the individual functions using the magnetic wrench as follows:

- **Activate the controller using the GO button (1)**
- **Attach the magnetic key to the lock (see figure);** the buttons on the controller start flashing (lock mode indication)
- **Press the button of the function you want to lock.**
- **For the given function, the illumination changes from white to red**
- **Terminate the lock mode by pressing the GO button (1);** the buttons on the controller will stop flashing

UNLOCK the function by repeating the above procedure. After pushing the locked function, the function lock indication will go out (10).

After the universal plastic key has been inserted into the controller, the buttons on the patient controller will start flashing!

The function locks to improve patient safety. Professional health staff decide on the patient's ability to perform partial positioning of the bed separately. Always carefully consider which functions can be safe and available for self-control by the patient, taking into account their health and mental condition!

One universal key can be used to lock all beds of the same type!

10.3.2 TRENDELENBURG/ANTI-TRENDELENBURG

The bed may be equipped with the function of adjusting the bearing area to the Trendelenburg position (patient's head down) and the Anti-Trendelenburg position (patient's head up). To use the function, press the button (10) or (11), if your controller contains it. To level the bed to the horizontal plane, adjust it to the maximum or minimum height.

When adjusting the bearing area to the Trendelenburg / Anti-Trendelenburg positions, no foreign object may interfere with the working space, i.e. under the bearing surface or above the bearing surface. It could result in damage or bodily harm!

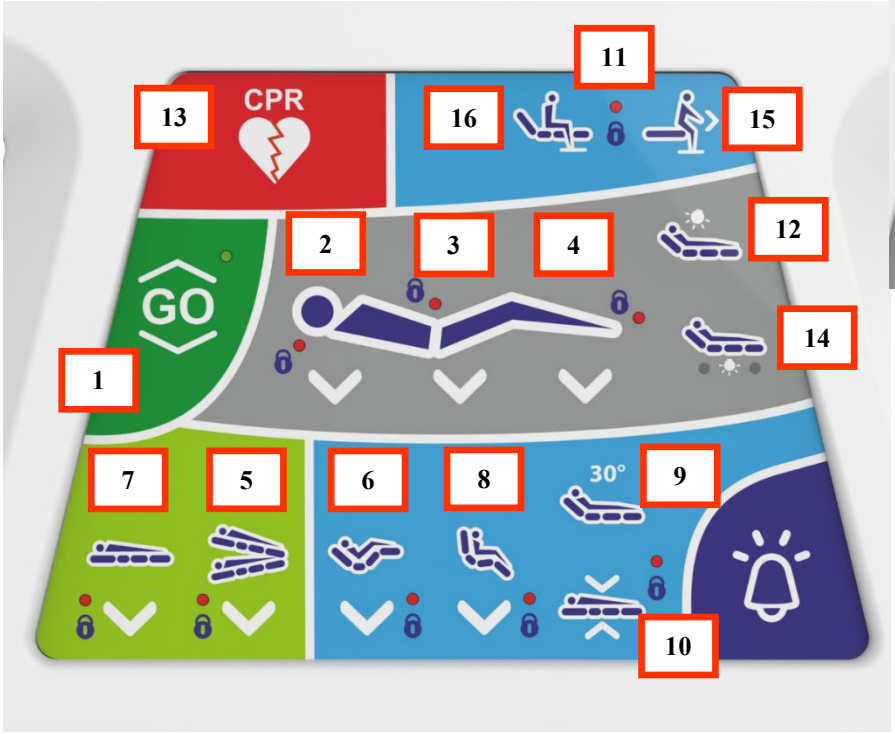
Only professional personnel is authorized and can use the Trendelenburg and Anti-Trendelenburg positions. However, they should always be used only in such a way that the patient's health is not compromised!

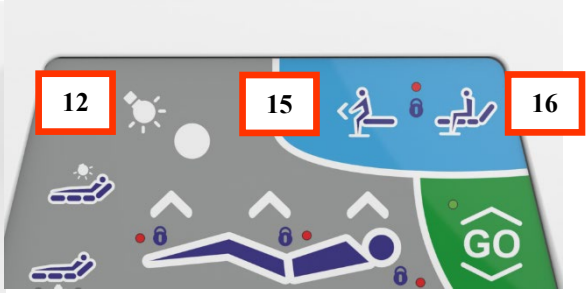
10.4.1 CONTROLLERS INTEGRATED IN SIDERAILS

The bed may be equipped with integrated hand controllers glued on the outside and inside of both siderails along the back part of the bearing area.

- **Press the GO button (1) to activate the controller** - LED indication goes on (15) for 15 seconds. 15 seconds after the last use of the controller, it deactivates itself! If the nurse panel is activated, it is not possible to activate the controller. Activate the controller only after the nurse panel goes out.
- **Adjust individual parts by pressing the relevant button upwards or downwards:**
  - **2) Back part**
  - **3) Thigh part**
  - **4) Calf part**
  - **5) Trendelenburg / Anti-Trendelenburg**
  - **6) Auto contour** – back and thigh parts at the same time
  - **7) Bearing area height**
  - **8) Cardiac chair**
  - **9) Fowler's position**
  - **10) Examination position**
  - **11) Position of leaving the bed easily**
  - **12) Patient lamp – inner side of the siderail (optional extra)**
  - **13) CPR – on the outside of the siderail**
  - **14) Chassis illumination (optional modification)**
  - **15) Bearing area UPWARDS – patient mobilisation function**
  - **16) Bearing area DOWNWARDS – patient mobilisation function**

Pay increased attention to the adjustment of the bed position; in some positions, there may be an increased risk of the patient falling out of the bed.





If any of the buttons do not work correctly and do not adjust individual parts of the bed as required by the operator, always check first whether the controller was activated using the activation GO button, or whether the required function is not blocked by a lock on the nurse panel. Locked function is indicated by the function lock LED on. The part you want to position can also be in the limit position where it can only be adjusted in the opposite direction. If none of the above options is helpful, continue with the chapter PROBLEMS AND THEIR TROUBLESHOOTING

Positioning to the special Trendelenburg and Anti-Trendelenburg positions is only permitted for trained medical staff. There may be an increased risk of the patient falling out of the bed!

When positioning to special positions, the patient must always be under the supervision of healthcare professionals!

10.5 FUNCTION OF PATIENT MOBILISATION

The bed may be equipped with a patient's mobilisation function located on the head siderail in combination with the mobilisation handle on the foot siderail. Observe the following procedure to use the patient' s mobilisation function.

- **Press the GO button (1) to activate the controller**
- **Press and hold the button of Position of (8) leaving the bed easily on the controller;** this can be controlled by both the patient and the nurse. The bed is lowered to the lowest position and the back part is lifted.
- **Lower the foot siderail**
- **Turn the patient on the bearing area and lower his/her feet on the floor**
- **Pull out the mobilisation handle and turn it up to secure it**
- **The patient holds on to one side of the mobilisation handle in the head and foot siderail**
- **Press the GO button (1) to activate the small controller**
- **The patient or nurse will press the upward mobilisation button (A) –** the bed is moving up and helps the patient get out of the bed

- **The patient or nurse will press the down mobilisation button (16) –** the bearing area goes down and helps the patient sit back on the bed

It is forbidden to use the mobilisation function without the supervision of health care personnel! When getting up and taking a seat on the bed, there may be an increased risk of falling due to the state of the patient's health!

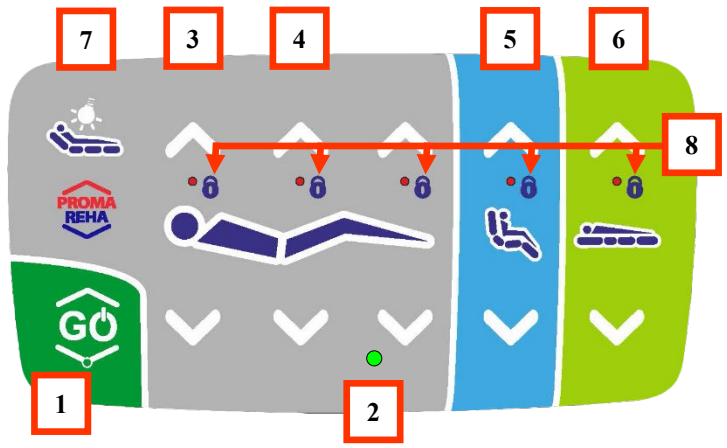
Brake the wheel before using the mobilisation function!

The use of the patient' s mobilisation function is decided by healthcare professionals on the basis of the patient's health and mental status. During the use of the function, the personnel are always fully responsible for the state of the patient's health!

10.6 SATELLITE PATIENT CONTROLLER

Before starting the first positioning, you are obliged to fully familiarize yourself with the general operating instructions of the electrical control elements in Chapter 10.1. The person not familiarized with the general operating instructions must not control the beds!

The bed may be equipped with a patient satellite controller. If the bed is on, the information LED (2) lights on the controller is green. Carry out the following steps for using the controller:



- **Press the GO (1) button to activate the controller** – the illumination of the controller is activated for 15 seconds. 15 seconds after the last use of the controller, it deactivates itself! If the nurse panel is activated, it is not possible to activate the controller. Activate the controller only after the nurse panel goes out.
- **Adjust individual parts by pressing the relevant button upwards or downwards:**
  - **3) Back part**
  - **4) Thigh part**
  - **5) Cardiac chair**
  - **6) Bearing area height** (reduced position of the bearing area, see chapter 10.6)
  - **7) Lamp –** switches on / off the light on the back of the satellite controller
  - **8) Function lock –** if the red LED of the lock is on, the function is locked using the sister panel

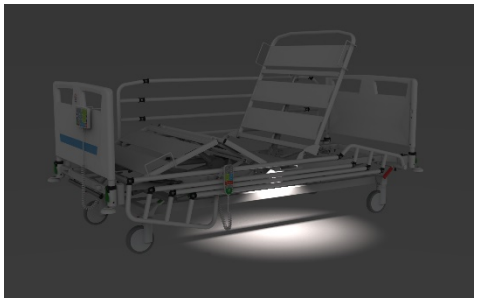
Pay increased attention to adjusting the bed position because it can result in the patient falling out.

If any of the buttons do not work correctly and do not adjust individual parts of the bed as required by the operator, always check first whether the controller was activated using the activation GO button, or whether the required function is not blocked by a lock on the nurse panel. Locked function is indicated by the function lock LED on (10). The part you want to position can also be in the limit position where it can only be adjusted in the opposite direction. If none of the above options is helpful, continue with the chapter PROBLEMS AND THEIR TROUBLESHOOTING.

When positioning to special positions, the patient must always be under the supervision of healthcare professionals!

10.7 CHASSIS ILLUMINATION

The bed may be equipped with a chassis illuminating function. This function is used to improve the orientation of the patient while getting out of the bed under worsened light conditions, e.g. at night, where there may be an increased risk of the patient falling due to poor orientation (tripping, slipping, etc.). If the bed is equipped with a chassis illuminating function, the function is automatically activated each time the bed is positioned to the lowest height suitable for seating on and getting out of the bed. Carry out the following steps for using the chassis illumination:



AUTOMATIC LIGHT ON/ OFF

- **Use the nurse panel or the patient controller and adjust the bed to the lowest position** – the LED diode in the bed chassis will automatically **go on**
- **Use the nurse panel or the patient controller and move the bed up from the lowest position** – the LED diode in the bed chassis **will turn off automatically**

MANUAL LIGHT ON / OFF

- **Use the hand patient controller for manual activation / deactivation**
- **Press at length (more than 2 seconds) the FN button on the controller –** the LED diode in the bed chassis goes on / out independently of the height position of the bed

The chassis illumination automatically starts in the lowest height position of the bed - optimum position for getting out of / seating on the bed. Adjust the bed to the lowest height, if the patient remains unsupervised by health care personnel!

10.8 Lowered Position of the Bearing Area

GRANO beds with the bearing area elevation from 25 (27) cm are provided with the function of the bearing area lowering. The bed may be adjusted to the lowered position suitable to reduce the risk of the patient falling from the bed as follows:

- **Using the controller (nurse panel, hand controller, satellite controller), adjust the bed to the lowest basic position** – press the **"Bearing area height down"** button and hold it until the bearing area reaches the lowest position and is levelled (notified by an acoustic signal)
- **Press the "Bearing area height down" button again and hold it until the bearing area is lowered to the required height** – the height of the bearing area is reduced to the lowered position
- **It is also possible to adjust the bed in the standard manner.**

When using the Trendelenburg or Antitrendelenburg functions, the bearing area goes to the basic position first and then it tilts in the desired direction
The lowered position of the bed is mainly used to limit the risk of falling in selected patients for example due to the attempt to leave the bed by climbing over the siderails. Due to increased safety, adjust the patient to the lowered position, lower the siderails to the lowest position, and place a suitable mattress or other means on the floor next to the patient to protect the patient in case of a fall. The use of the lowered position in combination with lowered siderails is decided by healthcare professionals on the basis of the patient' s health and mental status.

10.9 Standby Battery

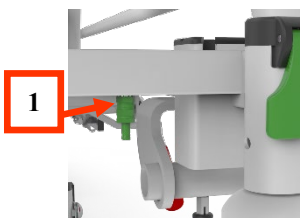
As a standard, the beds are equipped with batteries, which are used for emergency operation of the bed in case of power failure. If the bed is connected to the electricity network, this connection is indicated by the **Power connection icon (16)** in the top right corner of the nurse panel or at the bottom of the patient hand controller. The battery is charged automatically when connected to the electricity network. The battery charge status is indicated by a **Battery status display (15)**. The following statuses can be detected by the activation of the LEDs:

	Bed connected to the network	Bed disconnected from the network
…	Battery charging (Full battery charging lasts min10 hours)	
	Battery charging finished.	The battery is in good condition charged more than **25%** of its capacity.
		Low battery level. The battery is charged to **less** than 25% of its capacity. **Connect the device to the electricity network! (min. 10 hours)**
	The bed is connected to the electricity network.	
		The bed is disconnected from the electricity network.
…	Critical battery condition – battery not functional or disconnected. Contact the service centre.	

The bed is not primarily intended for operation from the backup battery. Operate the bed from backup batteries in exceptional cases (power outage, transport) only. This will prolong the life of backup accumulators!

10.10 Clamp for Electrical Potential Balancing

The bed may be equipped with **a clamp for balancing the electrical potential (1)** which is located in the head section of the bed frame.
Use the clamp when connecting the bed to the medical insulation system, where it serves as a grounding system, or when scanning electrical potentials, it is used to balance the potentials between the patient and the device. The connected clamp allows balancing the potential of all conductive parts of the bed and other connected electrical devices.
Interconnect the clamp with devices by connecting to a standardized medical terminal located on the bearing surface frame in the bed head section. Slide the **electrical potential levelling conductor (2)** with the corresponding standardized connector on this terminal.
The clamp for balancing the electrical potential is marked on the bed with a pictogram:

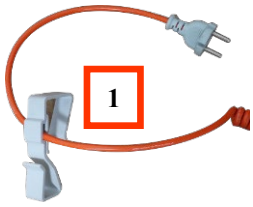


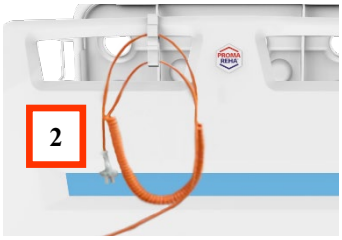
Only the conductor of the potential connection may be connected to the clamp for balancing electrical potential. NO VOLTAGE MUST be ever connected to the clamp!
Before transporting the bed, disconnect the conductor of electrical potential balancing from the bed, otherwise it might result in conductor breaking or damage to the bed!

10.11 Power Supply Cable Holder

The bed is equipped with **a power supply cable holder (1)**attached to the power supply cable. Read the instructions in chapter **9 before starting any transport. RELOCATION AND HANDLING**

- **Disconnect the power supply cable from the electricity network**
- **Hang the plastic holder (1) on the headboard (or frame) (2)**
- **Wind the power supply cable on the power supply cable holder**
- **Secure the fork and cable so that the cable or fork cannot be moved or pinched during the bed transport**



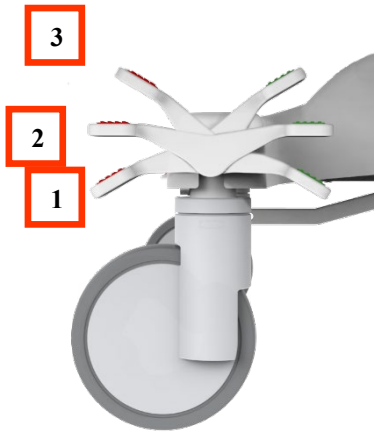


The bed may only be moved with properly secured power supply cable against damage! The transport of the bed with the unsecured power supply cable may result in its serious damage and subsequent increased risk of electrical injury!

11 Mechanical Control Elements

11.1 Central Brake

The bed chassis is equipped with four casters with a central brake. A locking wheel is always placed on the right under the patient's head. The locking wheel is used to facilitate handling of the bed during transport.

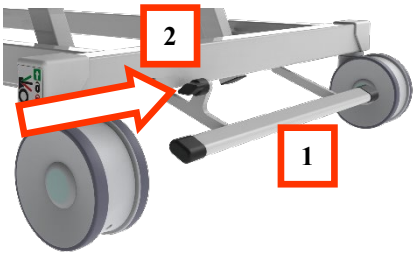


The central brake lever can be set to three positions:
POSITION 1 – all casters are braked
POSITION 2 (horizontal position) – all casters are released
POSITION 3 – the casters are released and the locking wheel is activated for easier handling during transport

Always operate the central brake lever using the lower limb tips. When using a different mode of control, there may occur a risk of bodily harm by squeezing!

11.2 Automatic Safety Brake

If the GRANO bed belongs to the version with a low elevation up to 25 cm or 27 cm, it is provided with the function of the automatic safety brake. If the bed is adjusted to the lowered position and is braked at the same time, its automatic braking occurs when reaching the lowest position. If it is necessary to transport the bed, the bearing area must be elevated to the position suitable for transport using the controller – then it is possible to release the bed.



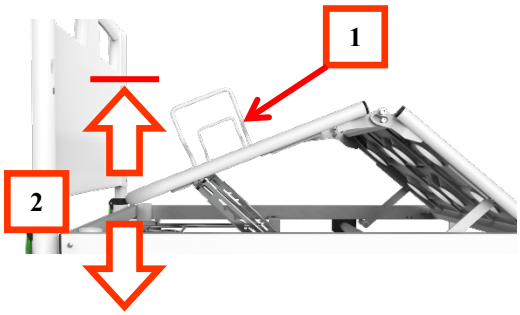
The automatic brake end stop should be installed during the installation and commissioning of the bed. If this is not the case, install the end stop on the central brake control by the automatic brake, which is part of the package:

- **Lift the bed using the controller**
- **Screw the plastic rose button into the outside side of the central trapeze bar, see the figure**
- **Carefully tighten the plastic rose button**

11.3 MECHANICAL POSITIONING OF THE CALF PART

You can set the calf part to several pre-set positions using the adjusting comb. Set the calf part as follows:

Adjust the calf part position only when the thigh part is slightly elevated.



- **Grasp the calf part by the holder on the side of the bed and lift it (1) -** in each available position, it clicks and the calf part is locked after releasing.
- **When lifting it, the other available positions will be gradually arrested (2)**
- **You can tilt the calf part by a short lift** (before the next locked position) **or by lifting it to the maximum position and lowering it to the lowest position**

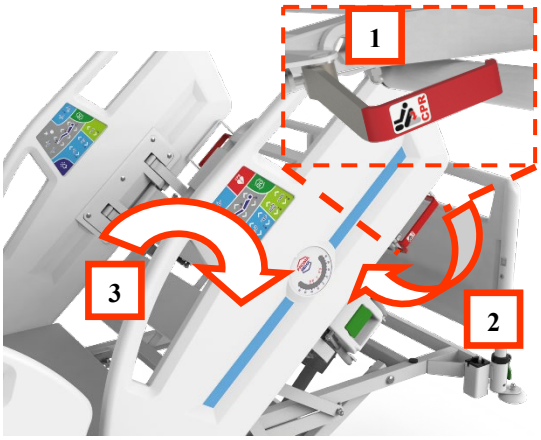
Never lower the calf part of the bearing part automatically without checking its movement by hand. It could result in mechanical damage to the calf part, comb, or in bodily harm!

When positioning the calf part, no foreign object may enter the space between the bed frame, headboard and the calf part. It could result in damage or bodily harm!

If the calf base is lifted, it is forbidden to overload it unevenly. In the event of uneven overload of the elevated calf base (e.g. when sitting on one side of the base), the positioning combs and joints between the calf and thigh base may be damaged. In the case of such damage, it is a gross breach of the warranty conditions and no warranty can be claimed to subsequent repair!

11.4 CPR - QUICK RELEASE OF THE BACK PART

The bed may be provided with the function of mechanical quick lowering of the back part. In this case, the red lever is placed on both sides of the bearing area - **CPR (1)** to lower the back part quickly. For use in emergency situations, proceed as follows:

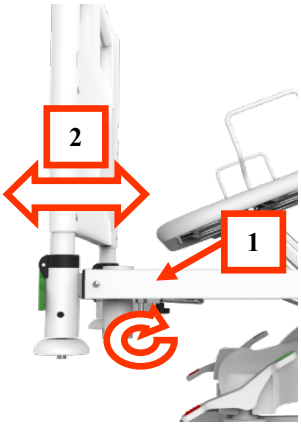


- **Make sure that there is no object or part of the human body of the patient or operator between the back part, the bed frame and the headboard!** (may pose a risk of pinching!)
- **Pull the CPR lever (1) out of the bed (2) – the back part will be quickly lowered to the horizontal position (3).**
- **If the lever is released before the lowest position, the back part movement is stopped**

When lowering the back part quickly, no foreign object may enter the space between the frame of the bed bearing area, the headboard and the back part. Otherwise it could result in damage or bodily harm!

11.5 BED EXTENSION

The bed may be provided with a mechanism for extending the bearing area by up to 20 cm. The extension consists in extending the footboard from the bed frame. To extend the bed proceed as follows:



- **Level the bed to the horizontal position** (the bedding rack cannot be used in combination with the Anti-Trendelenburg position!)
- **Loosen the plastic rose buttons (1) on both sides of the bed**
- **Pull the footboard out of the bed and slide it out to the desired position (2)**
- **Lock the footboard by tightening both rose buttons (1)** - always make sure that they are firmly tightened and the board cannot be released.
- **Retract by analogy -** unlock the rose buttons (1) and insert the footboard into the frame (2) and secure the buttons (1).

Before extending or shortening the bed, make sure that it cannot harm the patient, damage the bed or surrounding objects!

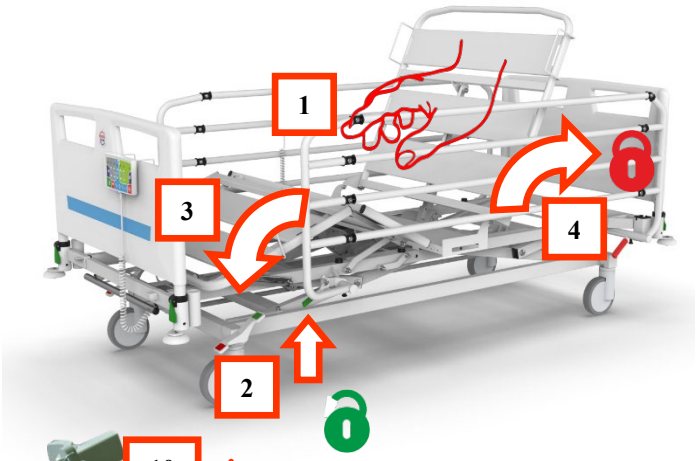
The bed extension cannot be used in combination with the Anti-Trendelenburg position!

After any change in the extension of any face part always properly tighten the plastic rosetted buttons on both sides. Otherwise, they could be inserted or extended spontaneously when handling the bed and holding it by the face part. It could damage the extraction mechanism or cause bodily harm!

12 HEADBOARD, FOOTBOARD AND SIDERAILS

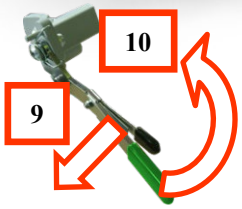
12.1 REMOVABLE TILTABLE SIDERAILS

The bed may be equipped with removable tiltable siderails. The tilting mechanism of the siderails is used to tilt the siderail along the bed bearing area.



Tilt the siderail as follows:

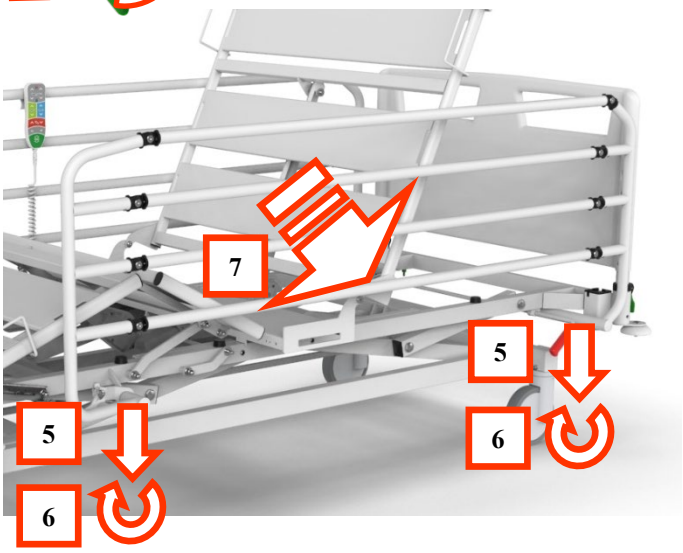
- **Grasp the siderail with one hand by its top crossbar (1)**
- **Lift the locking lever of the siderail (2)**
- **Tilt the siderail towards the legs (3)**
- **Lift the siderail by pulling it upwards and it automatically locks in the maximum position (4)**



The bed may be equipped with a double locking mechanism to protect the lever of siderails against accidental activation.
To tilt the siderails, press the safety lever (9) downwards first and at the same time, pull both levers upwards. The siderail is released.

Remove the siderail as follows:

- **Pull both locking pins (5) towards the floor and turn them (6) by 90°** - they are locked in the unlocked state
- **Move the siderail out of the bed (7)**
- **To place the siderail back to the bed, proceed by analogy**
- **After placing the siderail, secure the locking pins back to the locked position by turning by 90°**



When handling the siderails, make sure that there is no foreign object between the individual bars of the siderail. It could result in damage or bodily harm!

When tilting the siderail, check its movement by grasping it by the upper bar until it is fully tilted. Never let the siderail tilt freely – it can result in damage to the siderail, in injury to the patient, operator or a third party.

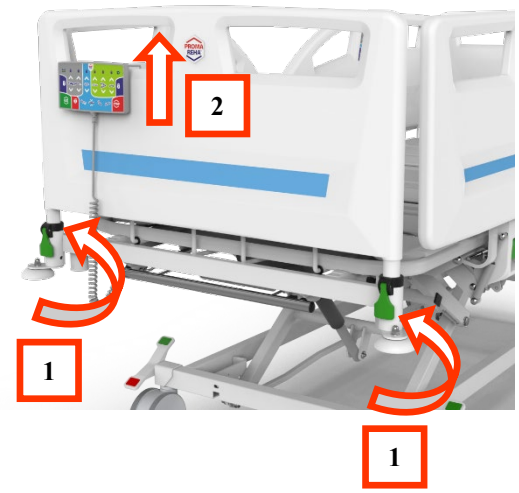
When removing the siderails, hold them always with both hands and check their trajectory all the time. Failure to do it could result in personal injury due to the impact by the siderail or squeezing!

Always make sure that the siderail is properly secured against spontaneous removal before any further use. Otherwise, the siderail would not comply with restrictive measures against the patient falling from the bed. It could result in serious injury and bodily harm!

After pulling the siderail to the maximum position, always make sure that the siderail is properly secured. Hold the siderail with hand and pull it towards the footboard of the bed. During this test, the siderails must remain in the elevated position!

12.2 Removable Headboard and Footboard

The hospital version of the bed is equipped with removable headboard and footboard with arresting against accidental removal.



When removing the headboard and footboard, observe the following instructions:

- **Unlock the green arresting levers of the boards (1) upwards**
- **Take out the board from holders upwards (2)**

To insert the board back, proceed as follows:

- **Insert the board into the holders** (labels and logos should be directed out of the bed)
- **Secure the boards with green levers (1) by tilting down** (Do not force the levers unnecessarily, it is easy to tilt the safety levers when the board is properly mounted).
- **Make sure that both parts are properly secured against pulling out**

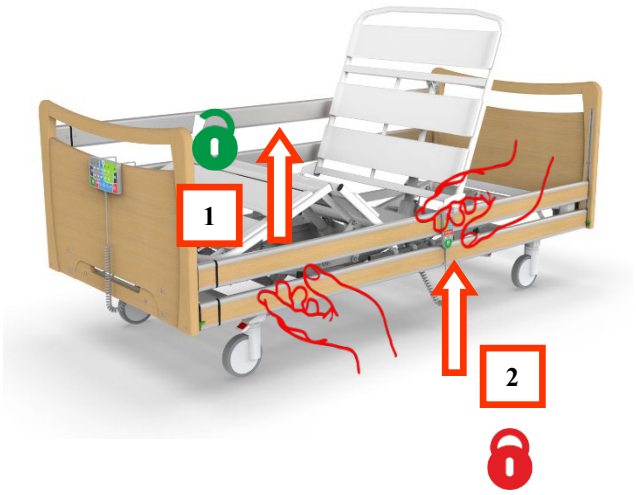
When re-inserting the headboard or footboard in the holders, pay extra attention to the correct insertion. If the board is incorrectly or insufficiently inserted, it will not be possible to secure it and the locking mechanisms might be damaged. **Always make sure that the boards are properly secured before using the bed.**

Always make sure that the boards are properly secured before using the bed!

If the bed is fitted with boards, they must always be properly fixed in the holders. Otherwise, the boards may be removed from the bed during handling accidentally. It could damage the arresting mechanism or cause bodily harm!

12.3 UNI Siderails

The bed may be equipped with integrated UNI siderails, which consist of two horizontal siderails on each side of the bed. These siderails are fitted with a unique releasing and locking system that allows the side panels to be controlled by one hand without the need for any mechanical securing of the siderails. The basic position of the siderails is – both sides raised to the maximum position. UNI siderails are fitted with double protection from lowering. The protection enables arresting in the upper position.

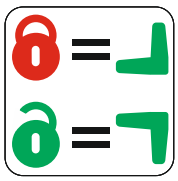


Perform the following steps of siderail tilting:

- **Grasp the lower siderail in its centre by the lower edge and lift it up to the maximum –** at the maximum position, the upper siderail is released
- **Slowly lower both siderails to the lowest position**

Perform the following steps to raise the siderail:

- **Grasp the upper siderail in its centre by the lower edge and lift it up to the maximum** – in the maximum position, both siderails are locked



Double protection of UNI siderails:

- **Lift the siderails to the maximum upper position.**
- **Turn the green levers in the bed corners upwards (locked) or downwards (unlocked)**

UNI siderails may only be tilted on one half of the bed, e.g. at the patient's head. Carry out individual tilting by grasping and tilting the siderail on the side you want to lower down.

Double securing of the sideboards is used as a safety feature of the bed against unwanted release of the bed by the patient, which may result in patient injury or deterioration of his/her health condition!

Medical professionals make a decision on the patient's ability to leave the bed with regard to his/her health and mental conditions!

When handling the siderails, make sure that there is no foreign object between the individual bars of siderails. They could be damaged or cause bodily harm!

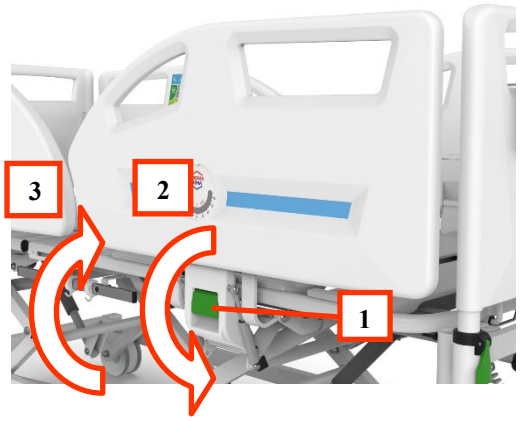
After pulling the siderail to the maximum position, always make sure that the siderail is properly secured. Grasp the siderail with hand and push it down. During this test, the siderails must remain in the elevated position!

12.4 PLASTIC TILTABLE SIDERAILS

The bed is provided with four tiltable siderails. The principle of control of all types of siderails is identical. The siderails are fixed to the back and calf part of the positioning base, i.e. their position is adjusted together with individual parts of the bed.
In any position, these siderails can be raised or tilted under the bearing surface.

The actual positioning of the siderails is carried out as follows.

- **Grasp the siderail with one hand and pull the unlocking lever (1) with the other hand.**
- **Pull the unlocking lever and unlock the siderail from its locked position; hold it with hand tilting it under the bearing area in the direction (2).**



You can raise the siderail to the initial position in a similar manner.

- **First, grasp the siderail with one hand and then raise it to the upper position (3).**
- **When the maximum position is reached, you hear a silent click that indicates the automatic locking of the siderail in the maximum position.**

The siderails are equipped with shock absorbers to prevent them from free falling when slipping out of the hands.

Although the siderails are equipped with shock absorbers, never lower them to bottom positions without checking their trajectory by your hands. It could cause serious injury to the operator, the patient and damage to the bed!

When handling the siderails, make sure that there is no foreign object or part of the human body between the individual siderails and surrounding parts of the bed, or inside the inner space of the siderails. Check the siderail tilting mechanism for the absence of foreign objects and parts of the human body! They could be damaged or cause bodily harm! Places with increased danger are marked with pictograms!

After pulling the siderail to the maximum position, always make sure that the siderail is properly secured. Grasp the siderail with hand and pull it out of the bed bearing area. The siderail must stay in the raised position during this test!

13 OTHER PARTS OF THE BED

13.1 BEARING AREA

The bearing area may be made of metal profiled lamellas fixed to the bed, or plastic lamellas with the possibility of removal.
The main advantages of these materials are their high resistance to chemical products used in health care, surface stability and resistance to wetting.
The plastic bearing area is fully removable which facilitates cleaning and disinfection of the bearing area.

Remove the individual lamellas of the bearing area by unsnapping them upwards. Subsequently, the parts can be cleaned and disinfected outside the bed.

Fit the lamellas back by snapping them onto the metal pin on the base. After mounting the lamella back, make sure that it is properly fastened and there is no risk of falling off!

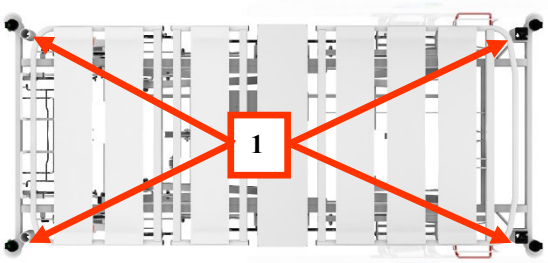
After mounting the lamella back, make sure that it is properly fastened and there is no risk of falling off!

Under the bearing area, where motion mechanisms are placed, there might exist places with the increased risk of injury to the operator or a third person due to catching or squeezing. Do not interfere unnecessarily with the space under the bearing area!

The space under the bearing area may only be entered for maintenance or cleaning purposes. When cleaning and maintaining, always ensure that the bearing area and all its parts are secured against movement. This will prevent possible risks!

13.2 UNIVERSAL HOLDERS OF ACCESSORIES

The bed is equipped with four universal holders (1) of accessories - one in each corner. These holders are used for placing a trapeze bar with a small bar, an infusion stand, an extension kit, etc.



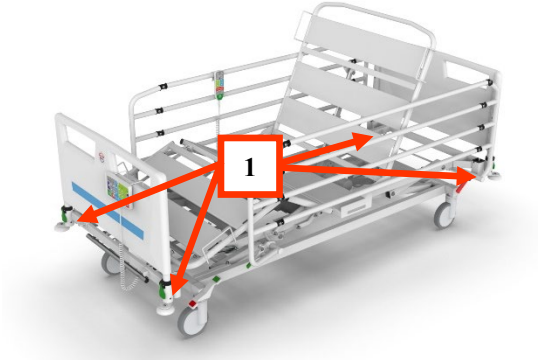
Never place in the holder any accessories which are not designated for this type of bed. It could result in damage to the bed or accessories. If the user manual is issued for the given accessories, observe it thoroughly. Overloading or improper use could damage the holders or the bed. The holders are intended exclusively for use with original accessories of PROMA REHA, s.r.o. **If accessories other than original ones are used, the bed manufacturer is not responsible for any damage.**

Never place the accessories in the universal holders, if they are not intended for them. It could result in damage to the bed and holders. When using the accessories intended for this type of bed, observe strictly the Instructions for Use. Overloading or improper use could result in damage!

The holders are intended exclusively for use with original accessories of PROMA REHA, s.r.o. If accessories other than original ones are used, the bed manufacturer is not responsible for any damage!

13.3 IMPACT WHEELS

The bed is equipped with rubber impact wheels in each corner. The impact wheels are located in the places which are frequently damaged. They are used to absorb undesirable collisions of the bed with adjacent objects when transporting the patient. The impact wheels protect the outer edges of the bed corners from unwanted contact, e.g. with doors, walls, etc.



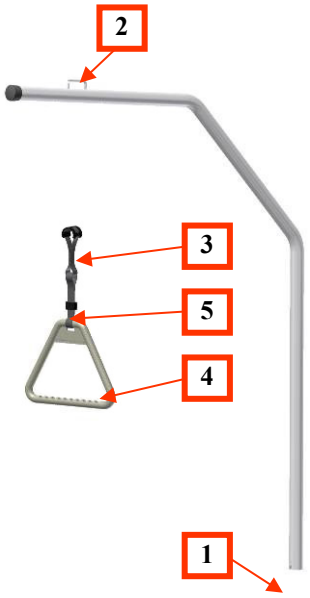
The impact wheels must not come into contact with sharp and hot objects. In such cases, their elastic surface could be damaged and deformed.

Protect the impact wheels from contact with sharp objects. These objects may adversely affect the surface properties of the impact wheels and thus reduce their service life!

14 ACCESSORIES

14.1 TRAPEZE BAR WITH A SMALL BAR

The trapeze bar is made of a steel thick-wall tube with a protective powder varnish. It is provided with a locking pin (1) in the bottom section. The upper part contains the locking system of a small bar. The bar is plastic with a textile strap of adjustable length. After removing all the packaging parts, the trapeze bar with a small bar are ready to be placed on the bed:



- **Insert the bottom end of the trapeze bar (1) in the universal holders of accessories in the bed corners**
- **Rotate the trapeze bar so that its upper end points to the centre of the bed** – in the correct position, it is arrested (stops turning)
- **Insert the strap (3) loosely in the arresting lug (2) of the small bar (4)**
- **Adjust the required height of the small bar using the clip (5) or the self-winding mechanism**
- **From your optimum position, you can rotate the trapeze bar by lifting and turning it in the required direction**
- **Once the trapeze bar is moved to the optimum position, it will lock again automatically**
- **Before using the trapeze bar, always make sure that it is properly arrested**

Disassemble it by thrusting the bar from the holder in the bed frame corner upwards.

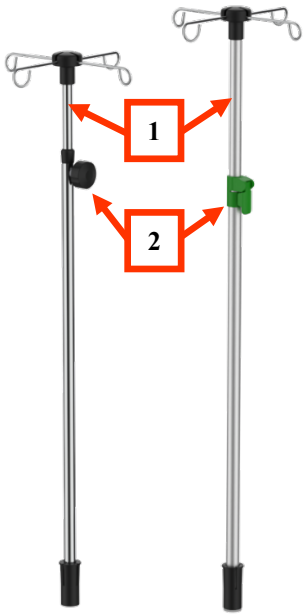
The maximum short-term load of the trapeze bar with the small bar is 75 kg. Overloading of the trapeze bar with the small bar may result in its damage and permanent deformation!

Before using the trapeze bar, always make sure that it is properly arrested!

Under loading, the trapeze bar with the small bar sags due to strength and flexibility. The maximum load of the trapeze bar with the small bar may result in hazardous reduction of the minimum distance between the trapeze bar and the headboard. There is a risk of pinching at the place of the bar loading!

14.2 INFUSION STAND

The infusion stand is supplied in a complete state and is ready for immediate use after removal of all parts of the packaging. After unlocking the plastic arresting mechanism (1) in the upper leg, the telescopic extension holder of infusion is released.



- **Grasp the top of the infusion stand (1)**
- **Lift up the control lever (2) (release the locking screw (2))**
- **Extend or retract the telescopic section to the desired position**
- **Secure the telescopic section by tilting the lever downwards (tightening the locking screw)**
- **Check, if the telescopic section is correctly fixed**
- **Tilt the hooks at the top of the infusion stand for the suspension of infusion bottles and medical bags – maximum load per a hook is 3 kg**

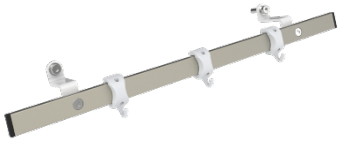
The infusion stand for the bed is intended exclusively for hanging infusion bottles and the medical bags!

Check that the telescopic section is correctly fixed. Insufficient securing could cause the infusion holder to spontaneously slide into the holder leg causing unwanted bodily harm or damage to surrounding objects!

The infusion stand for the bed is intended only for the beds manufactured by PROMA REHA, s.r.o.! It is designed for use in the interior and its maximum load is 12 kg, the maximum load per a hook is 3 kg!

14.3 ACCESSORY HOLDERS "EUROBARS"

The bed may be provided with stainless steel accessory holders, the so-called **"Eurobars",** located under the pelvic part on both sides of the table**.** Each holder contains movable hooks determined for hanging tiny accessories and urological accessories.

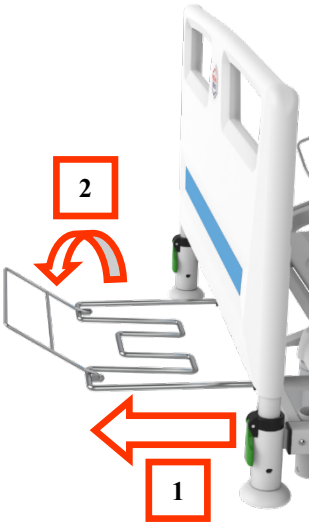


Maximum load per a hook is 3 kg. The higher load shall be evenly distributed over multiple hooks. The load on one hook must not exceed the maximum permitted load!

14.4 STACKING RACK FOR BEDDING

The bed may be equipped with an extension rack for bedding located under the calf part of the bearing area. To use it, follow the steps below:

- **Level the bed to the horizontal position** (the bedding rack cannot be used in combination with the Anti-Trendelenburg position)
- **Grasp the rack by its outer frame and pull it out from the bed (1)**
- **Tilt the smaller tilting part (2)**
- **Do not overload the rack! Maximum permissible load on the outer edge is 3 kg!**
- **Tilt the tilting part back into the frame (2) before inserting it**
- **Beware of squeezing when inserting the rack back under the bed**



The linen holder can be used for storing of nurse control panel (3). **Beware of the nurse control panel cable pinching during inserting the linen holder to the bed.**

The extension rack may only be used, if it is not necessary to adjust the bearing area position. Otherwise, the extension rack could collide with the surrounding objects or the floor. It could cause serious injury to the operator, damage to the surrounding items or the bed itself!

Beware of squeezing when inserting the rack back under the bed!

The bedding rack is only used for a short-term placement of the bedding when changing it. Maximum permissible load on the outer edge is 3 kg. It is forbidden to sit on the rack or overload it. It could result in irreversible damage!

15 PROBLEMS AND THEIR TROUBLESHOOTING

15.1 THE BUTTONS ON THE PATIENT HAND CONTROLLER ARE FLASHING

If the buttons on the patient hand controller are flashing, the lock mode is activated. To use the standard control, remove the **universal plastic key from the controller,** see chapter 10.3.1. FUNCTION LOCK OF THE PATIENT CONTROLLER

15.2 NON-FUNCTIONAL BED– DOES NOT EMIT LIGHT, DOES NOT RESPOND TO THE CONTROL

If the bed cannot be controlled via the controllers and the electric power supply indication diode on the nurse panel is not illuminated, try to repair the bed using the following procedure.

- **Check the bed for connecting to the electricity network.** If the bed is not connected, insert the power supply cable into the electricity network. Then the indication diode on the nurse panel goes on and the bed can be fully controlled. If not, turn on the bed using the RESET button on the control box. If the bed still does not respond, continue.
- **Disconnect the power supply cable from the electricity network and check it for damage.** If it is not damaged, insert the power cable into the electricity network and continue. **If you find damage, you must not use the bed any longer and you must contact the service centre!**
- **Check, whether the electrical network for connecting the bed is working.** If not, ensure that the network is put in operation. Then the indication diode on the nurse panel goes on and the bed can be fully controlled. If not, continue.
- **Check whether the green diode on the control unit indicating supply from the electricity network is on.** If this diode does not emit light, disconnect the bed from the electricity network and contact the service centre. If the diode is on, continue.
- **Disconnect the bed from the electricity network and check the cables of the control elements (nurse panel, patient controller) for damage.** If you find any damage, you must not use the bed any longer and you must contact the service centre. If no damage is found, contact the service centre.

15.3 NON-FUNCTIONAL BED – EMITS LIGHT, DOES NOT RESPOND TO THE CONTROL

If an unexpected error occurs, the bed happens to emit light but does not respond to any control. In this case, restart the bed. After resetting, always check the bed function. You can reset software reset and switch off the bed by the button on the control box or by pressing the key combination on the nurse panel.

Functions	Task		Description
	Button on the control box	Nurse panel	
Bed reset	Shortly press and release the reset button located on the control box. Hold the button for less than 1 second	Activate the nurse panel by pressing the GO button. Press and hold  simultaneously + for 5 s. After reset, you will hear a beep.	Reset the internal bed programme

15.4 Error Message – the diodes flash on the controller

The bed is provided with electronics with its own diagnostics. Use a light code to determine an error and use the Instructions for Use to try to remove it. The light code is displayed on the nurse panel or manual patient controller in the form of flashing red LED located under the STOP button during positioning. The displayed code always appears when positioning the relevant problem part and lasts until a cause of the error message is removed.

Light code	Fault	Possible cause
flashes shortly 2x ● ● ● ● ● ●	Motor/s overloaded	* Bed maximum capacity was exceeded for a short term * The motor is damaged and is short * Motor or gear mechanics is blocked
flashes shortly 3x ● ● ● ● ● ●	Motor/s not connected	* Motor connector is not sufficiently plugged in the control box * Motor cable damaged * Motor damaged
Flashing shortly 1x and flashing 1x at length ● ▬ ● ▬	Position errors	* The tolerance of the difference in a position of the individual column motors was exceeded
flashing shortly ● ● ● ● ● ● ● ● ●	IRC Sensor Error	* Motor position sensor damaged

15.4.1 Motor Overloaded

If the bed diagnostics signal this error message, continue with the following steps:

1) **Stop positioning**

2) **Press the GO button to deactivate signalling**

3) **Remove obstacles that may prevent the relevant motor from moving** (decrease motor load)

4) **Try again to adjust shortly the position of the relevant part.** If the error message does not appear, you can continue in positioning. If the error message is displayed again, contact the authorised service department, the motor is damaged.

15.4.2 Motor Not Connected

If the bed diagnostics signal this error message, continue with the following steps:

1) **Stop positioning**

2) **Press the GO button to deactivate signalling**

3) **Check the connection of the connectors to the control box (the cables pulled out a bit) and the relevant cable for mechanical damage.** If you do not find any mechanical damage to the cabling, continue. **If the cable is damaged mechanically, disconnect the bed from the electricity network, switch off the bed and contact the authorized service centre. Do not change the bed position any more. There is a risk of electric shock!**

4) **Try again to adjust shortly the position of the relevant part.** If the error message does not appear, you can continue in positioning. If the error message is displayed again, contact the authorised service department, the motor is damaged.

15.4.3 POSITION ERROR

If the bed diagnostics signal this error message, continue with the following steps:

1) **Stop positioning**

2) **Press the buttons** 

for more than 5 seconds. Lock LEDs start flashing.

3) **Press the "Bearing area up" button.**  **The bed will start rising to its maximum position.** Successful position referencing is indicated acoustically. After the acoustic signal, the bed can be adjusted as usual. If the bed tilt is larger during the referencing, stop immediately positioning and contact the authorized service centre. Other positioning functions of the bearing area (bases) will not be limited.

When referencing the position, always pay increased attention to motors moving. Synchronization is not active during the process and it is possible that the motors may, depending on load or wear, break out during a longer extension and there is a risk of unacceptable tilting that could result in injury to the patient, the operator or a third party!

15.4.4 IRC SENSOR ERROR

1) **Stop positioning**
2) **Press the GO button to deactivate signalling**
3) **Further positioning of the bearing area lift, including special TR, ATR positions is PROHIBITED.** Positioning of the individual parts of the bearing area (bases) is not limited.
4) **Contact the authorized service centre**

Further positioning of the bearing area lift, including special TR and ATR positions, is PROHIBITED. When positioning the individual parts of the bearing area (bases), work with utmost care. There is an increased risk of injury to the patient caused by falling out!

16 CLEANING

Before any cleaning, it is necessary to disconnect the bed from the power supply! After disconnecting, make sure you disconnect the correct power cable. To verify disconnection, press successively any pair of the buttons on the controller upwards and downward for at least 3 seconds! If the bed does not respond, you can start cleaning.

Metal, plastic, rubber and glass parts of the bed can be cleaned with standard liquid detergents and disinfectants in the concentrations prescribed for health care. The manufacturer recommends the following disinfectants: Chloramine, Persteril, Perform, Microzide, Bacillocid, Bacillocol, Incidine, Microbac.

Do not use agents that may impair the structure and properties of the plastic parts (e.g. benzine, toluene, acetone, etc.).

Clean the bed by wiping with a properly wrung cloth. Remove dust and other dirt in a mechanical way. It is necessary to avoid abrasive cleaning agents such as dishwasher sands or steel wool.

Before starting any cleaning, the bed must be disconnected from the electricity supply!

Before re-use, make sure that all bed parts are properly dried. If there are wet spots on the bed, it is forbidden to use it until it is dried!

When washing the electrical parts of the bed, it is necessary to avoid loosening of any connectors. We recommend you to check the connectors after cleaning!

Integrated controllers may only be cleaned with a damp cloth, they must not be immersed in liquids or come into direct contact with running water, etc.!

When cleaning the bed, no covers may be removed and it is not possible to otherwise interfere with the bed structure!

The bed is not intended for central sterilisation and must not be cleaned with water or steam unless it is made in a design suitable for automatic washing systems!

When using an unsuitable washing or disinfecting agent, non-compliance with the manufacturer's instructions on the dosing of disinfectants, or insufficient or improper care of the bed may result in damage not covered by the warranty.

Regular maintenance and cleaning work should be carried out according to the following table:

Bed part	Material	Daily cleaning and disinfection	cleaning and disinfection when patients are changing	Full cleaning and disinfection
Plastic headboard and footboard HB-01	PP	YES	YES	YES
Wooden headboard and footboard	D, DP, DTDL	YES	YES	YES
Wooden siderails	DP, ALU	YES	YES	YES
Metal siderails, tiltable	S	YES	YES	YES
Control elements of siderails	PVC	YES	YES	YES
Controllers (cables)	ABS, PU	YES	YES	YES
Bearing area, Invent, HPL	HPL	NO	YES	YES
Bearing area, Invent, plastics	ABS	NO	YES	YES
Bearing area, Invent, plastic lamella	PE	NO	YES	YES
Bearing area, Invent, metal lamella	S	NO	YES	YES
Chassis cover	ABS	NO	YES	YES
Corner impact wheels	PA	NO	YES	YES
Network cable	PU	NO	NO	YES
Bed structure	S	NO	NO	YES
Casters	ABS, S, PU	NO	NO	YES
Motors	ABS, ALU	NO	NO	YES
Control unit	ABS	NO	NO	YES
Trapeze bar	S	NO	YES	YES
Small bar	PP	YES	YES	YES
Infusion stand, metal, varnished	S, S-CR, PA, SS	NO	YES	YES
Infusion stand, metal, plated with chromium	S-CR, SS, PA	NO	YES	YES
Infusion stand, stainless	SS, PA	NO	YES	YES
Infusion stand, aluminium	ALU, SS, PA	NO	YES	YES

Material	Abbreviation
Acrylonitrile-butadiene-styrene	ABS
Aluminium	ALU
High-pressure laminate	HPL
Polyamide	PA
Polyoxymethylene	POM
Polypropylene	PP
Polyurethane	PU
Polyvinyl chloride	PVC
Steel (varnished)	S
Steel, plated with chromium	S-CR
Steel, CORROSION-PROOF (Stainless)	SS
Solid wood	D
Solid wood, coated	DP
Wood, glued chips (Laminate board)	DTDL
Polyethylene	PE

17 STORAGE

When storing, follow all procedures mentioned and described above, in particular:

- clean the bed and dry it thoroughly
- disassemble all accessories
- provide the bed and accessories with suitable packaging materials to prevent any damage to the product or its parts during storage
- store everything in the environment defined in Chapter 4, i.e. the ambient temperature range is between +10°C and +40°C and the relative humidity is between 30% and 75%.

18 MAINTENANCE AND SERVICE

As a result of disinfection and cleaning, contact surfaces may become clogged mainly in the joint connections of the bed. It is therefore necessary to check and maintain the individual parts of the bed at regular intervals:

Every 3 months

- Visual inspection of all the movable parts of the bed (achieving maximum and minimum positions to check the correct functions of all mechanisms and bed drives, inspection of the central braking system and casters function). Visible defects must only be rectified by an authorised service centre.
- Check visually the connecting material on the bed

Every 6 months

- Check the battery conditions. The battery endurance depends on the level of using the bed and on compliance with the operating instructions. The standard time of the bed positioning from batteries is at least 12 hours in standby mode or 20 minutes when adjusting the bed with maximum loading.
- Treat all movable parts, lifting and tilting mechanisms of the bed (in particular siderail mechanisms, central brakes and automatic regression)

Every 12 months

- Check fastening and functionality of all control levers (CPR, foot pedal of the central brake)
- Check and tighten all the fastening material of the bed (especially the casters, articulated joints of the base, lifting and tilting materials and siderails mechanisms).

In accordance with the applicable legislation, medical devices must be demonstrably and professionally maintained in a proper condition by inspections, treatment, adjustment, repairs and tests carried out according to the manufacturer's instructions specified in the Instructions for Use. Regular examination of the condition of medical devices is provided by the so-called periodic safety-technical inspections (PBTK). With regard to the purpose of using your purchased medical device, **the PBTK must be performed repeatedly by a professionally qualified person no more than once a year.** Service and PBTK may only be provided by authorized service centres and organisations listed on website www.promareha.cz. The inspection consists of examination of the medical device in mechanical and electrical terms, adjustment, inspection and lubrication. The inspection report must be issued for each inspected product with a detailed record of the inspected parts and a list of identified defects or defects. This protocol is a document for the provider to meet the basic requirements of legislation on the maintenance of the medical device used. Failure to comply with the specified PBTK interval is in conflict with the warranty conditions. In such case the warranty ceases to exist.

Contacts for the service centre are shown on the back of the User Manual.

19 WARRANTY

A standard 24-month warranty is provided for the bed. This warranty starts running on the date of delivery, unless stipulated otherwise in the purchase or other contract.

Warranty and post-warranty repairs are solely performed by the manufacturer or authorized service centre based on the written certificate of the authorization to perform these activities. The appropriate certificate is issued by the manufacturer to the authorised service centre.

The manufacturer provides a 6-month warranty on the completed work, material and spare parts. The warranty period starts on the day of acceptance of the performed service at the place of performance.

The manufacturer shall not be liable for defects that arise as a result of unprofessional use or neglect of routine maintenance. The manufacturer is also not responsible for defects caused by unprofessional handling (mechanical, chemical or thermal damage when the defined material compatibility values are exceeded).

The warranty period applies to the entire product, including backup sources (batteries). The minimum guaranteed service life of backup sources is 6 months from the date of sale. The gradual reduction of the capacity of backup sources is a natural phenomenon and is considered as a natural consequence of normal wear and tear. The capacity reduction of the backup power supply is not a product defect and, after the minimum guaranteed service life has expired, cannot be the subject of a complaint.

Service works may only be performed by an authorised service technician.

20 PRODUCT DISPOSAL

The product is made of materials that are environmentally friendly. It does not contain any hazardous substances and its operational noise meets all the requirements of public health regulations against adverse effects of noise and vibrations in protected interior areas of buildings. The product, together with the wooden parts, has been subjected to laboratory testing and has been licensed to use the "Eco-Friendly Product" label.

All packaging waste produced after the product is put into operation is marked in accordance with current regulations on packaging. Sort them according to the graphic symbols and hand them over to the authorized person for further use.

The product contains recyclable stainless and steel parts with surface treatment of baking varnishes, chromium or zinc. The product also contains wood, plastic, rubber, upholstered and electronic components. Contact a selected organisation specialised in this activity to dispose of the product after its end of use, or use the services of collection or recycling terminals.

The product may contain lead accumulators marked with a graphic symbol (see figure on the right). At the end of its service life, hand it over to the authorized person for re-collection (you will not pay any fee). **The product is not intended for disposal as part of municipal waste!**

Information for the users of electrical and electronic devices:
The symbol given on the product or in the original documentation means that the electrical and electronic products used must not be removed (disposed of) together with communal waste. Hand over such parts of the product to the person authorised to dispose of the separated waste. The above mentioned symbol is applicable only to EU countries. For the correct removal of the waste from electrical and electronic devices and lead accumulators ask your authorities or a product seller for detailed information.

Fines can be imposed due to improper disposal of this type of waste in breach of national regulations.

21 ABBREVIATIONS, SIGNS AND SYMBOLS USED

The beds are marked according to the risk analysis and as given in the above-mentioned safety warnings and descriptions with informative safety pictograms. These pictograms draw attention to important places on the bed or places with increased risk.

WARNING! General danger.

WARNING! Maximum patient weight, maximum weight of safe working load

INFORMATION! - Important additional information for a user.

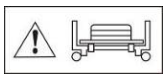
WARNING! Do not interfere with the area under the bed bearing area!

WARNING! Risk of getting caught and squeezing.

Protection against electric shock - Applied part, B type

Removable part

Double insulation of electrical parts

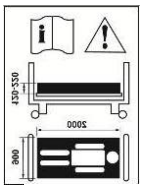


Warning! Removable siderails

DANGER - risk of electrical injury

Clamp for electrical potential balancing

WARNING! No seating on the adjusted foot bases!



WARNING! Exchangeable mattress. Read manufacturer's recommendations in the Instruction for Use

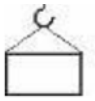
CPR

Fast lowering of the back / thigh part

Read the Instructions for Use

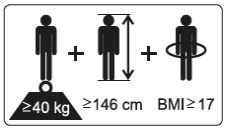
Foot pedal for the Trendelenburg / Anti-Trendelenburg positions control

Read the Instructions for Use



Product weight

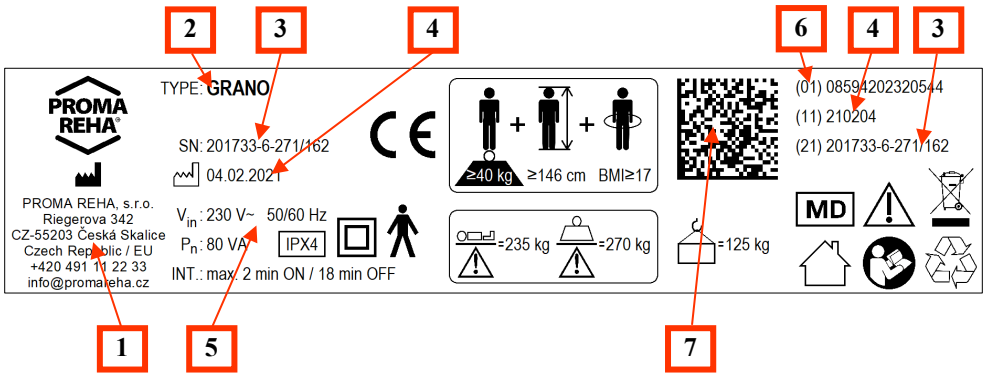
Medical device



This bed is designated for adult patients

21.1 BED MANUFACTURING LABEL

1 – manufacturer's address
2 – type
3 – serial number
4 – date of manufacture
5 – electrical specification
6 – device ID identifier
7 – UDI DataMatrix



22 PACKAGE CONTENTS

1 x Bed as specified in delivery note
1 x Instructions for Use

23 LIST OF SUPPORTED ACCESSORIES

- Trapeze bar
- Infusion holder suspended on the bed trapeze bar
- Plastic nameplate on the bed without a clip
- Urine container holder
- Urological bags holder
- Suspensory basket for shoes - powdered varnish (komaxit)
- Suspensory bottle basket - powdered varnish (komaxit)
- Small trapeze bar including a strap
- Infusion stand mounted into the trapeze bar holder
- The table tiltable on the headboard - for writing
- Nebuliser holder - attachable to the trapeze bar holder
- Urine container holder with a cap
- Stick holder, metal
- Suspensory wire basket

24 CONTACT

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