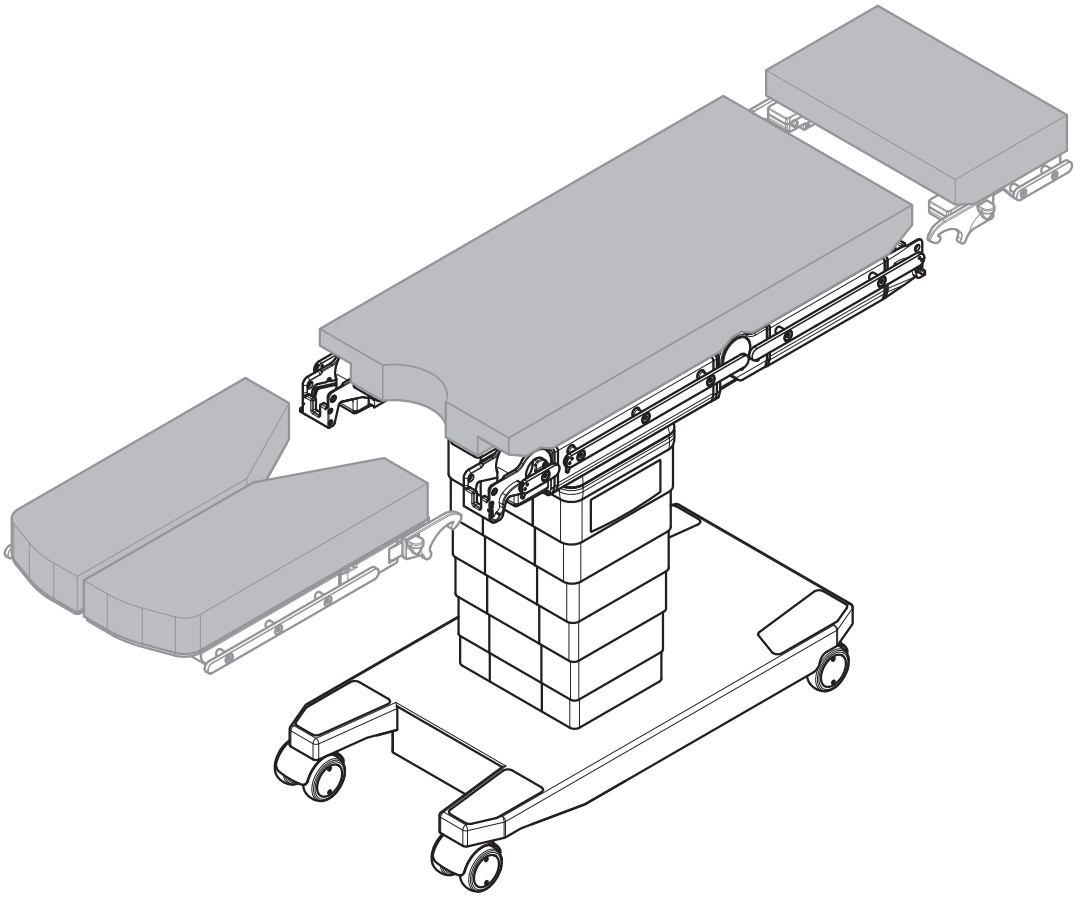
Baxter

Instructions for use

TruSystem 7000

Surgical table, universal



Read the instructions for use carefully before using the product components and keep them safe for future reference.

ENGLISH
en-US

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Manufacturer

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Baxter Medical Systems GmbH + Co. KG is a Baxter International Inc. company. The manufacturer is hereinafter referred to as Baxter.

Technical Customer Service

The contact details for the current Technical Customer Service hubs in the individual countries are listed on the Internet at www.hillrom.com.

Information about the document

Original instructions for use

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These instructions for use are included in paper form in the scope of the product supply.

This document applies to the following sales units:

Product designation	**Part number**
Operating table with two-part operating tabletop	
Operating table TruSystem 7000 U (MB)	1604786
Operating table TruSystem 7000 U	1604788
TruSystem 7000	1841046
TruSystem 7000 (MBW)	1841048
TruSystem 7000 V	1841050
TruSystem 7000 (MBW) V	1841082
Operating table with one-part operating tabletop	
TruSystem 7000 U14 (MBW)	2065385
TruSystem 7000 U14 (MBW) V	2065386

Supporting documents

The instructions for use of the operating table and of all the products used then apply. The Baxter operating tables can be individually combined with various products. Baxter offers a wide variety of tabletop sections and accessories for an operating table. Possible combinations are listed in the compatibility matrix.

The following additional documents are available online under ois.hillrom.com/ois:

Product designation	**Document number**
Compatibility matrix	7990090
Radio Information	7990101
SVHC list (Substances of Very High Concern)	–

Basic information

After purchase, the product is handed over to the operator in an appropriate and professional manner. Handover is performed by someone authorized by the manufacturer and is documented using a handover protocol.

Check the packaging on delivery for damage sustained during transport. If damage is noticed before unpacking, contact the Technical Customer Service.

Before using the product, familiarize yourself with the settings options and how to operate the product. Observe the information notices on the product.

About the instructions for use

- This instructions for use contain important information about the safe and effective use of this product.
- The instructions for use are part of the product and must be complied with.
- Read the instructions for use carefully and fully before using the product. The instructions for use must be thoroughly understood. In the event of uncertainty or questions about the product, please contact the manufacturer.
- The instructions for use must also be handed over in the event of a change of location or personnel.
- The instructions for use must be kept where the product is used.
- The instructions for use must be easily accessible in full to all users of the product at all times.
- The figures in the instructions for use are highly simplified and are intended to provide a basic understanding.
- Residual dangers that may occur while using the product are identified in the document with a signal word. The safety measures required and potential consequences of failing to take these are listed. A corresponding signal word provides information about the severity of the danger:

Signal word	Meaning
DANGER	The signal word indicates a dangerous situation that will immediately lead to death or serious injury if no precautionary measures are taken.
WARNING	The signal word indicates a dangerous situation that may lead to death or serious injury if no precautionary measures are taken.
CAUTION	The signal word indicates a dangerous situation that may lead to moderate to slight injury if no precautionary measures are taken.
NOTICE	The signal word indicates a dangerous situation that may lead to material damage or damage to the environment if no precautionary measures are taken.

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Contents

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1 Usage specifications

1.1 Intended purpose

The operating table is intended for the following use:

- Patient positioning during surgical interventions including initiation and ending of anesthesia
- Application-related transfer of patients within operating rooms
- For use in combination with intra-surgical imaging (e.g. CT, MRT, X-ray) with special table components

1.2 Contraindication

Do not transport objects, devices, or materials on the operating table and its accessories. The products described in these instructions for use are for human medical use only.

Hazard to the patient. Changes to the medical product are prohibited. The manufacturer is not liable for changes made to the operating tabletop.

Risk of personal injury and damage to goods when the permitted loads are exceeded. Do not exceed the permitted load capacity for the operating table. If the permissible load is exceeded, the mobile operating table may tip over and cause serious injuries to the patient or staff. In general, overloading the operating table can lead to a failure of electrical functions and cause material damage to mechanical parts.

Hazard to the patient. The patient must only be positioned on the operating tabletop while lying down. Extremities must not extend beyond the end of the operating table in a longitudinal direction. Improper loading may damage the operating tabletop or cause the mobile operating table to tip over. When the operating tabletop is moved in a longitudinal direction, the patient must not climb onto or off the operating table over the side of the extended operating tabletop. Patients may only get on or off in the area of the support column. Do not sit, crouch or kneel on the end of the tabletop.

1.3 Patient definition

All patients who are classified as suitable for the operation by a medical expert.

The maximum possible patient weight on the operating table is 450 kg / 992 lbs.

The maximum operating table weight of 300 kg / 661 lbs consists of the operating table weight and the weight of the attached tabletop sections.

1.4 User definition

The TruSystem 7000 operating table is to be operated by trained personnel only. Personnel training is carried out by the manufacturer, or by other persons accredited by the manufacturer.

The primary users are medically trained, specialized personnel. These include, for example:

- Anesthetists
- Operating room nurses
- Surgeons in various specialized fields

Cleaning personnel are also included among the primary users. Cleaning personnel operate the mobile operating table, but only during cleaning. No patients are present during cleaning. The cleaning personnel are trained to operate the mobile operating table.

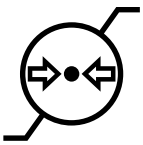
1.5 Usage environment

Temperature:	+10 °C to +40 °C / 50 °F to 104 °F
Air humidity:	20% to 80%
Atmospheric pressure:	at least 70 kPa to 106 kPa / 10 psi to 15 psi

1.6 Ambient conditions for storage and transport

Temperature: -15 °C to +55 °C/5 °F to 131 °F

Air humidity: 10 % to 95 %



Atmospheric pressure: 70 kPa to 106 kPa / 10 psi to 15 psi

Fragile contents

Top

Keep dry

do not stack

1.7 Service life

With normal use, the service life is 10 years.

2 Safety

2.1 Combination with other products from Baxter

Use of the operating table is permitted with other products from Baxter. The approved products are listed in the compatibility matrix [1)].

Baxter offers a wide variety of additional tabletop sections and accessories for the operating table. Not all products are available in all countries. Detailed information can be obtained from the relevant representative offices of Baxter, which are represented worldwide. Contact details are available online at www.hillrom.com.

2.2 Combination with products from other manufacturers

The operating table is not designed for use with products from other manufacturers (third-party products) and where no compatibility tests have been carried out by Baxter. Exceptions are explicitly mentioned in these instructions for use. Baxter does not, however, exclude the use of third-party products. If the operator intends to combine the operating table with third-party products, the operator is responsible for this combination. Baxter accepts no responsibility for the combination of the operating table with third-party products. The guarantee/warranty for products from Baxter may become void in the event of combination with third-party products.

2.3 Operator's responsibility

The operator is the natural or legal person who operates the product himself for commercial or economic purposes or who leaves its operation to a third party. The operator bears the legal product responsibility for protecting personnel or third parties.

The medical device may only be operated and applied according to its intended purpose and the general rules of technology. Medical devices may only be used by persons who have the training or knowledge required to do this.

Instruction regarding the proper handling of the medical device is required. However, training is not required when the medical device is self-explanatory or instructions for a product with the same design have already been provided.

Medical devices connected to each other as well as medical devices connected to accessories including software, or other objects, may only be operated and used when the specific combination is suitable with regard to its intended purpose and the safety of the patients, users, employees or third parties.

Before the medical device is applied, the user must ensure that the product is operational and in an appropriate state and the user must further have read the instructions for use as well as other, attached, safety-relevant information and maintenance instructions.

1) Document number 7990090

The instructions for use and the instructions provided with the medical device must be stored in a way that ensures that the user can access the information required for using the medical device at any time.

The user and/or patient must report any serious incidents related to the use of the medical device to the manufacturer and the relevant authorities of the member state of which the user and/or the patient is a resident.

2.4 Use of high-frequency (HF) surgical equipment

The operating table is electrically conductive in accordance with the applicable regulations and standards. The operating table is suitable for the use of high-frequency surgical equipment. Electrically motorized operating table functions may be interrupted if high-frequency surgical devices are used simultaneously.

There is a risk of burns to the patient when high-frequency surgical devices are used. The following safety measures must be followed in all cases:

- Follow the instructions for use provided by the equipment manufacturer.
- Position the patient only on dry towels or drapes. The patient must not come into contact with damp materials.
- Position the patient on the operating table so that he or she is insulated from metal parts (operating table, accessories) and conductive pads or tubes.

2.5 Use of defibrillators

The operating table is electrically conductive in accordance with the applicable regulations and standards. The operating table is suitable for the use of defibrillators and defibrillator monitors.

There is a risk of burns to the patient and the user when defibrillators are used. Staff are at risk of electric shock. The following safety measures must be followed in all cases:

- Follow the instructions for use provided by the equipment manufacturer.
- All accessories not specifically protected against defibrillation must be removed from the patient's body before defibrillation.
- Prior to defibrillation, all personnel must move clear of the operating table.

2.6 Malfunction caused by other devices

The medical or non-medical devices from other manufacturers may use the same frequency range as the operating table and infra-red remote control. If pieces of equipment with the same frequency range or a multiple of the frequency range is used in the same room, they can influence each other. This may therefore cause malfunctions of the operating table.

Examples of potential sources of interference:

- Electronic control gear (ECG) for fluorescent lamps
- HF surgical devices
- Wireless remote control for other devices (e.g. monitors)
- Very bright indoor lighting

2.7 What to do in the event of a malfunction

In the event of a malfunction, the operating table has the following functions available, depending on the problem that has occurred:

- Emergency mode
- Emergency unlocking of the parking brake
- Reset

Regardless of this, if the electrical function on the operating table fails, the operating table should be disconnected from the power supply and Technical Customer Service notified.

2.7.1 Emergency mode

If there is a defect in the central operating table control system, emergency operation makes it possible to complete the ongoing surgery and remove the patient.

Restriction:

In emergency mode, the operating table can only be used with limited functions:

- The operating table can only be controlled via the column keypad.
- Functions move at a lower speed and a continuous warning tone sounds.
- Leveling is restricted. With the Level position function, only the column functions are zeroed. The tabletop must be manually set to the level position via the individual functions.
- The running gear is not supported in emergency mode.

The emergency mode must only be activated in case of a serious malfunction of the operating table. Please contact Baxter Technical Customer Services for the necessary repairs. The defective operating table must be barred from further use.

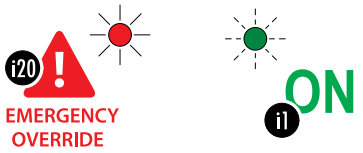
Activating emergency mode:

The emergency mode has to be manually activated by the user:

1. Unlock the column keypad. Press key [i53] for this.

2. Press key [i20] on the column keypad for at least 10 seconds. A warning tone sounds and constantly repeats. The emergency mode is confirmed by a double tone and is then activated.

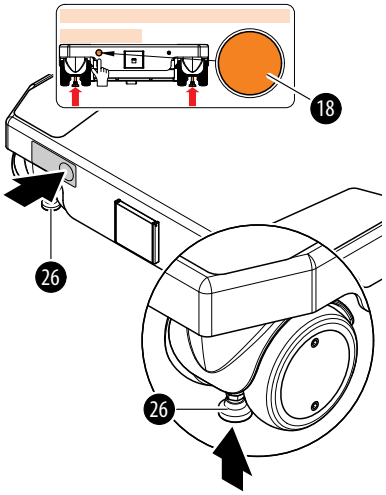
The indicator [i20] on the column keypad lights up red continuously and the indicator [i1] flashes green.



The operating table can be restored to its normal mode of operation by switching it off and then on again.

2.7.2 Emergency unlocking of the parking brake

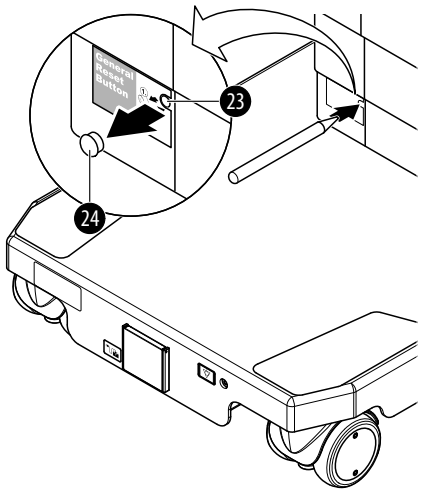
If the operating table cannot be unlocked with the operating units after lowering the tabletop, leveling the tilt and centering the longitudinal travel due to a defect, then it is possible to unlock it manually.



1. Press the button for the emergency release [18] at the head end of the running gear until the operating table is completely jacked down. All jack props [26] are immediately retracted.
2. You can now move the operating table.
3. Inform Baxter Technical Customer Service.

No functionality is lost if the operating table had no previous defect and the emergency prop release was inadvertently activated. However, resetting the props immediately is strongly recommended.

2.7.3 Reset



If the operating table reacts unexpectedly to a control, switch off the operating table and switch it back on. If you cannot even switch it off, press the reset button. The reset button [23] is located at the head end on the column base, directly below the cladding. Remove the cover cap [24] (made of plastic) and press the button [23] briefly using a pointed object (e.g. a ballpoint pen). Then switch the operating table on again. With an external power supply, the operating table switches on again automatically.

2.7.4 Failure of the operating table's electrical functions

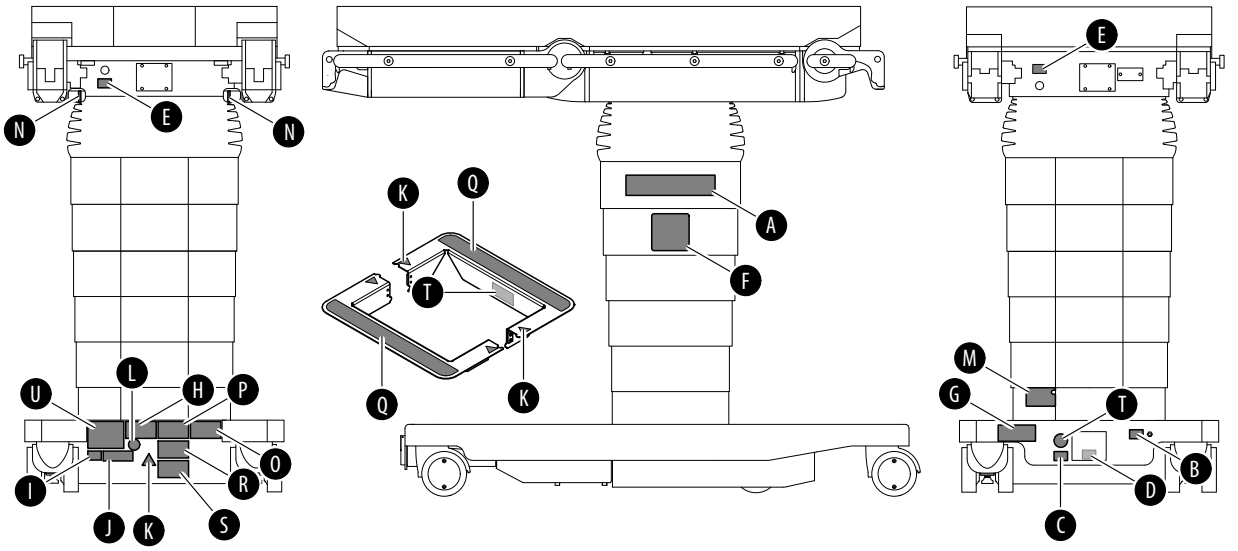
According to the current market state of the technological art, failure of the operating table cannot be completely ruled out, with the result that the electrical functions on the operating table are no longer available. In this rare case, stop using the operating table and notify Technical Customer Service.

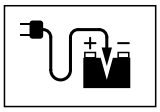
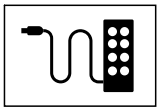
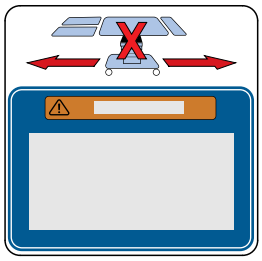
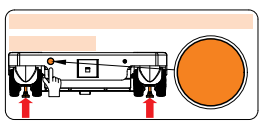
2.8 Information notices

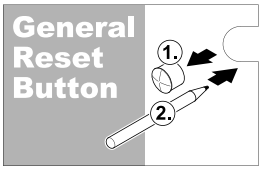
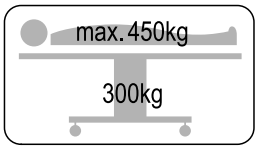
2.8.1 Safety instructions

- The information notices on the product provide information about residual dangers during use, or provide additional useful information.
- The device label and all information notices must be present and be undamaged in the prescribed locations on the product. A damaged, illegible or missing device label / information notice must be replaced immediately.
- Observe the information notices on the product.
- The information notices must not be altered or removed.

2.8.2 Position and meaning



No.	Information notice	Meaning
[A]	Baxter TS7000	Operating table name
[B]		Connector pin for equipotential bonding cable
[C]		Connector socket for the mains power cable
[D]	F1 / F2 5x20 250VAC, 10A, T, H	2x 10 AT fuses
[E]		Connector socket for cable remote control
[F]		Before retracting the floor jacks, lower the operating table until the pictogram is covered.
[G]		Emergency release button

No.	Information notice	Meaning
[H]		ETL/CSA mark The ETL mark is proof for the conformity of the product with the North-American safety standards.
[I]		Software label with the current operating table software version
[J]		Only for operating table version MB/MBW Identifier of operating table with power drive mode
[K]		Trapping and crushing hazard
[L]		Follow the instructions for use
[M]		Reset button
[N]		Positioning aid for the extension adapter Yellow strip with black arrow
[O]		The maximum possible patient weight on the operating table is 450 kg / 992 lbs. The maximum operating table weight of 300 kg / 661 lbs consists of the operating table weight and the weight of the attached tabletop sections.
[P]	variable	Only for the MBW operating table version Information about radio licenses For detailed information, refer to Document 7990101 (Radio Information).
[Q]		The column protection may only be used with the TruSystem 7000 operating table. Mark on top
[R]	Not available	–
[S]	Not available	–

No.	Information notice	Meaning
[T]		Do not kick or step on the socket housing or otherwise subject it to any impact of force unless necessary.
[U]	Device label	
		Manufacturer
	UDI	Unique device identification (UDI), comprising: – Data Matrix Code – (01) Global Trade Item Number (GTIN) – (11) Date of manufacture (Year Month Day) – (21) Serial number – (240) Part number
	REF	Baxter part number
	SN	Serial number
	MD	Medical product
	CE	The device conforms to Regulation 2017/745/EU concerning medical devices.
		The product must be disposed of at a suitable disposal facility for the recycling of electrical and electronic devices in accordance with the requirements of Directive WEEE II 2012/19/EU and country-specific regulations.
	I.P.S	Device has an internal power supply
	IPX4	All-round splash protection
		Degree of protection against electric shock: Type B applied part
		Date of manufacture
	variable	Radio license For detailed information, refer to Document 7990101 (Radio Information).

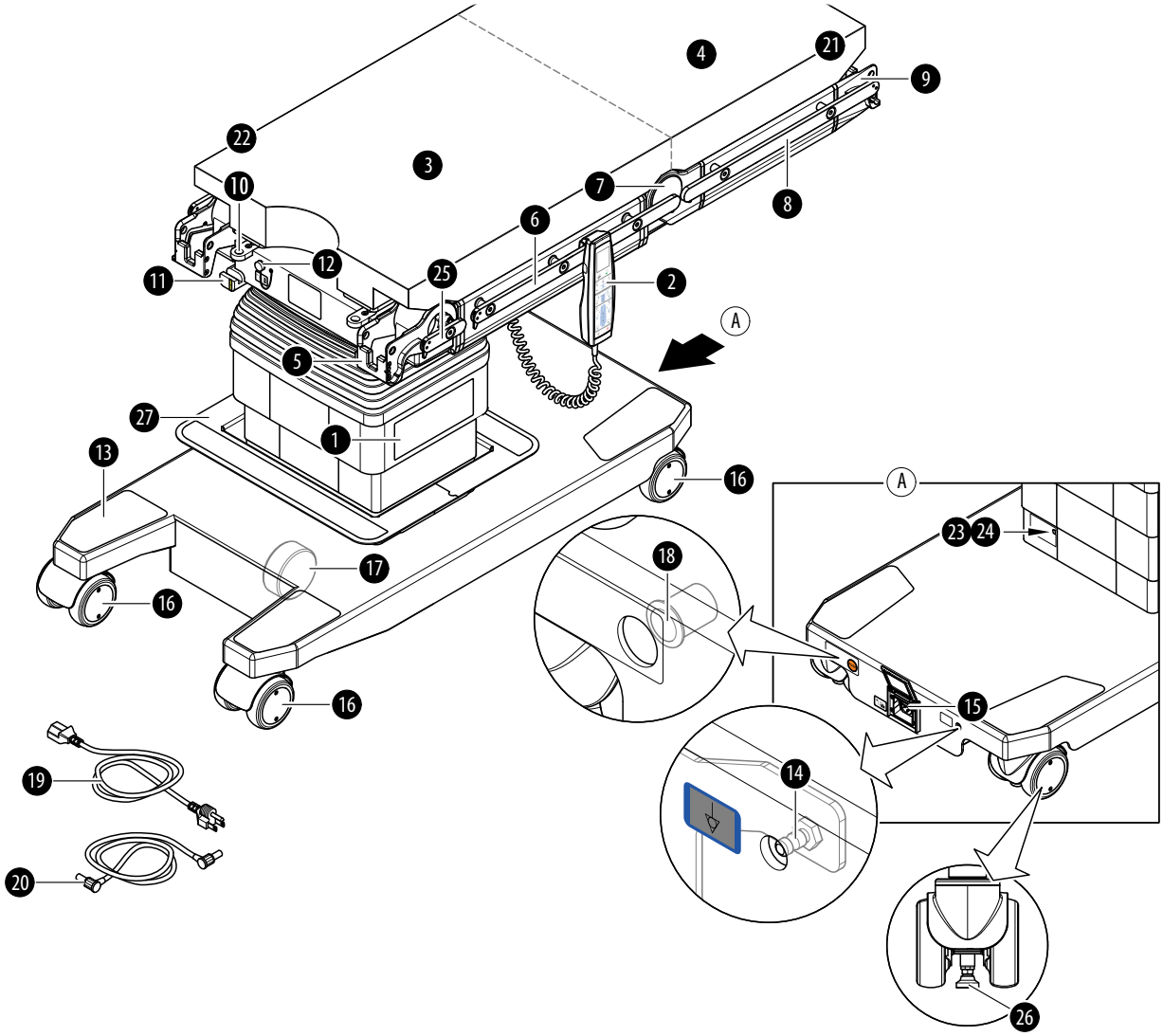
3 Description

3.1 Overview of the operating table

3.1.1 Operating table with two-part operating tabletop

The TruSystem 7000 operating table has a two-part table top with two motor driven joint pairs (leg and back section joints) and a rigid hook coupling. Operating table movement behavior can be adjusted electrically. The operating table models MB and MBW have an additional electric drive unit.

The operating table is operated as standard with the remote control. The remote control is absolutely necessary for using the operating table to its full potential. If the remote control is temporarily unavailable, due to reasons such as a flat battery, the basic functions of the operating table can still be executed using the column keypad. Other optional control modules are available from Baxter.

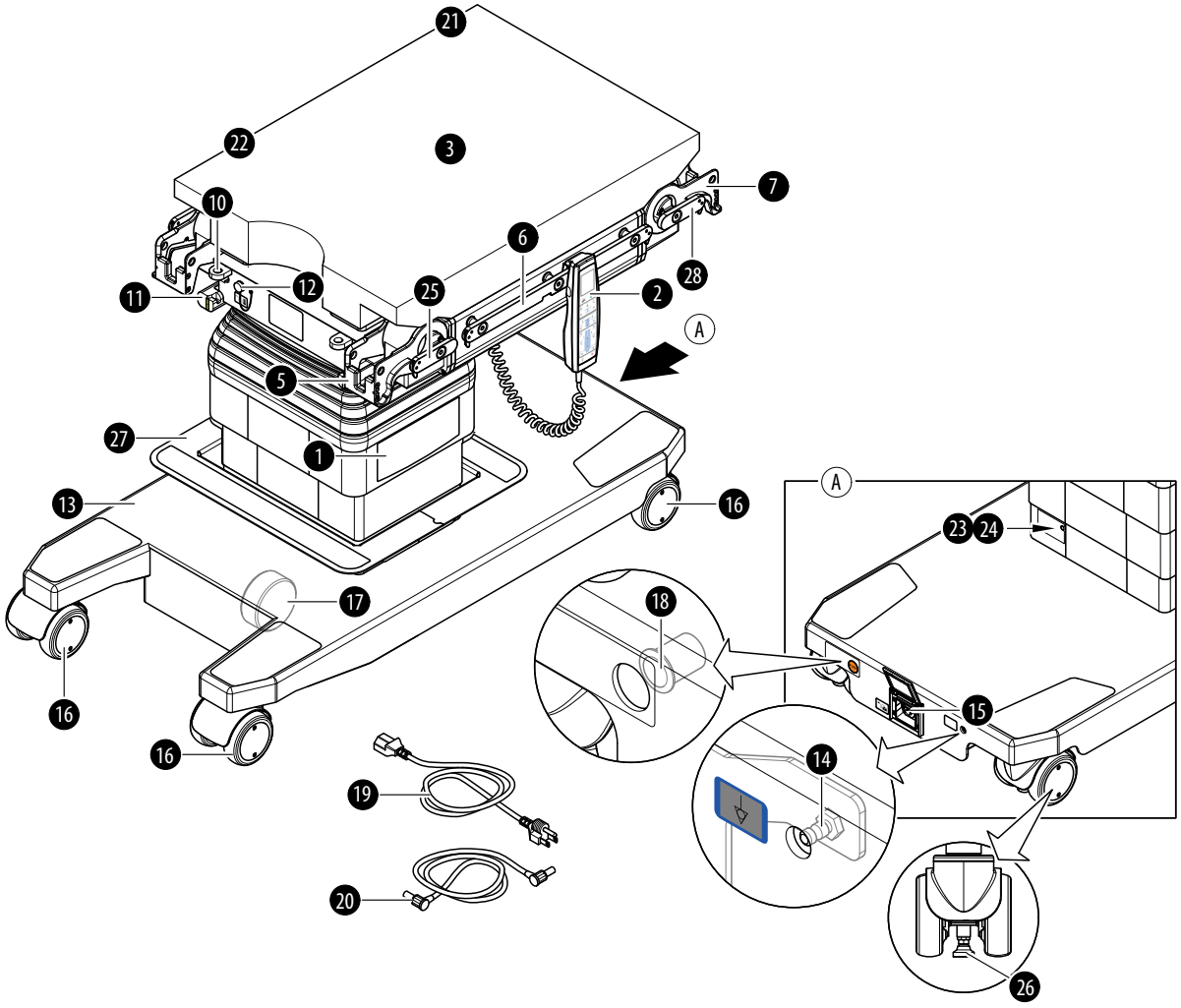


[1] Column keypad
[2] Remote control
[3] Seat section
[4] Back section
[5] Motorized leg section joint with hook coupling for mount L
[6] Side rails for seat section
[7] Motorized back section joint
[8] Side rail for back section
[9] Hook coupling for S support
[10] Insertion opening for traction adapter
[11] Support for the extension adapter
[12] Operating unit connector socket (head and foot ends)
[13] Running gear
[14] Equipotential bonding cable connector pin
[15] Connector socket for power cable
[16] Wheel
[17] Fifth wheel for running gear assistance (directional travel/ drive mode)
[18] Running gear emergency release button (under the label)
[19] Mains power cable
[20] Equipotential bonding cable
[21] Head end of the operating table
[22] Foot end of the operating table
[23] Reset button
[24] Cover cap
[25] Leg section joint side rail (not operating table version U)
[26] Jack props
[27] 2-part cladding protection

3.1.2 Operating table with one-part operating tabletop

The TruSystem 7000 U14 operating table has a one-part tabletop with two motorized joint pairs (leg and back section joint). Operating table movement behavior can be adjusted electrically. The operating table has an electrical drive unit.

The operating table is operated as standard with the remote control. The remote control is absolutely necessary for using the operating table to its full potential. If the remote control is temporarily unavailable, due to reasons such as a flat battery, the basic functions of the operating table can still be executed using the column keypad. Other optional control modules are available from Baxter.

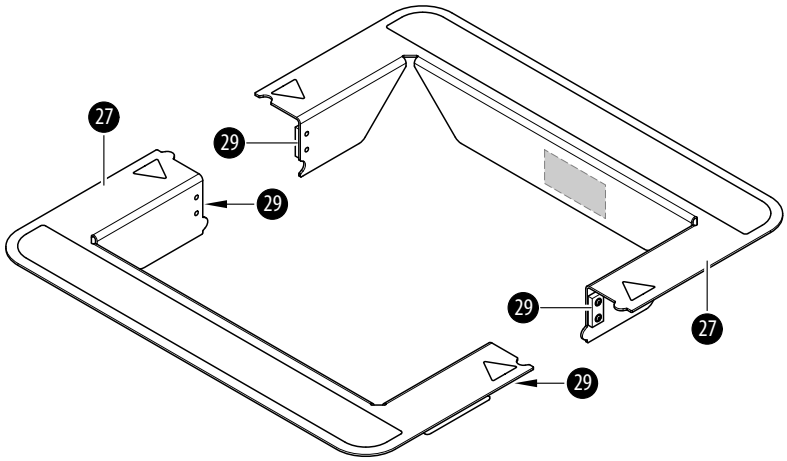


[1] Column keypad
[2] Remote control
[3] Seat section
[5] Motorized leg section joint with hook coupling for mount L
[6] Side rails for seat section
[7] Motorized back section joint with M mount as hook coupling
[10] Insertion opening for traction adapter
[11] Support for the extension adapter
[12] Operating unit connector socket (head and foot ends)
[13] Running gear

[14] Equipotential bonding cable connector pin
[15] Connector socket for power cable
[16] Wheel
[17] Fifth wheel for running gear assistance (directional travel/ drive mode)
[18] Running gear emergency release button (under the label)
[19] Mains power cable
[20] Equipotential bonding cable
[21] Head end of the operating table
[22] Foot end of the operating table
[23] Reset button
[24] Cover cap
[25] Leg section joint side rail (not operating table version U)
[26] Jack props
[27] 2-part cladding protection
[28] Side rail for back section joint

3.2 Column protection (Cladding Protection TS7000, #2069528)

The column protection prevents objects on the running gear being placed too close to the column cladding. Objects which are in contact with the column cladding may block the travel path during the lift function on the operating table. The cladding parts may bump into the objects and be damaged by the collision.



[27] 2-part cladding protection
[29] Magnet

3.3 Summary of control modules

The operating table can be adjusted using the following control modules:

- Column keypad

  The column keypad allows you to use the basic functions of the operating table.
- Remote control

  The remote control is absolutely necessary for using the operating table to its full potential.
- Footswitch

Entries via keys on the individual operating units are accepted in the following priority sequence:

1. Column keypad
2. Cable remote control
3. Footswitch
4. Cordless remote control

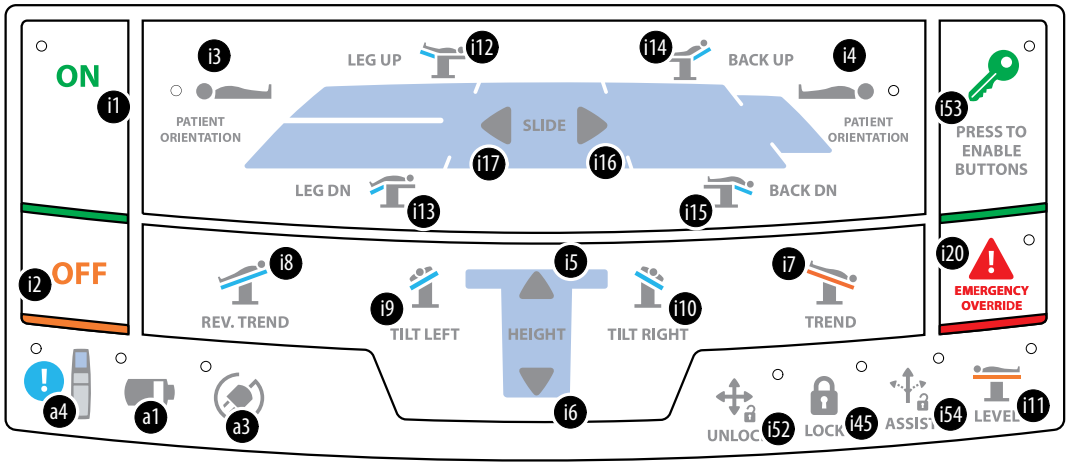
Simultaneous activation of multiple keys will result in the sounding of alarms or in the execution of table functions in order of priority.

3.3.1 Column keypad

The operating table is displayed on the column keypad in simplified graphical form. The top section of the graphic representation shows the functions of the operating tabletop, with the functions of the operating table column below (viewed from the head end). The keys for the adjustment functions are identified by arrows and located on the corresponding table segments. The direction of movement for the individual functions corresponds to the image displayed.

The individual functions on the column keypad can only be selected once the keypad is unlocked. To adjust an operating table, press and hold the function key on the keypad until the desired position is reached. The function stops when the key is released. The keypad is locked again automatically ten seconds after the last key press. The OFF key is the exception. The operating table can be turned off at any time using the OFF key on the column keypad.

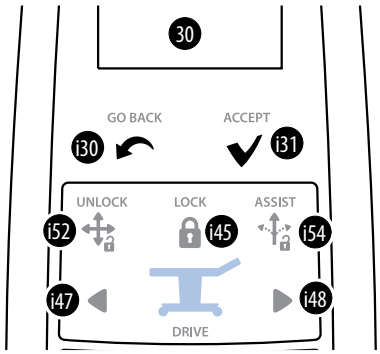
The column keypad functions can also be selected using two-key control. Press the ON key and simultaneously press the function key required. The keypad does not need to be unlocked prior to two-key control.



[i1] Switch on the operating table, indicator: Ready
[i2] Switching off the operating table
[i3] Head position left, indicator: Head position left
[i4] Head position right, indicator: Head position right
[i5] Lift up
[i6] Lower
[i7] Trendelenburg
[i8] Reverse Trendelenburg
[i9] Tilt left
[i10] Tilt right
[i11] Level position, indicator: Level position
[i12] Raise leg section joints
[i13] Lower leg section joints
[i14] Raise back section joints
[i15] Lower back section joints
[i16] Longitudinal travel toward head end
[i17] Longitudinal travel toward foot end
[i20] Activate emergency mode, indicator: Emergency mode
[i45] Jack up the operating table, indicator: Operating table locked
[i52] Freewheel, indicator: Freewheel
[i53] Key release, indicator: Key release
[i54] Running gear assistance, indicator: Running gear assistance

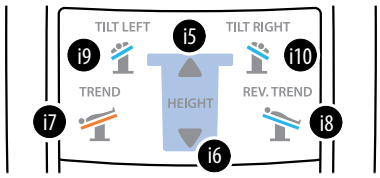
[a1] Operating table battery status
[a3] External power supply
[a4] Malfunction

3.3.2 Remote control

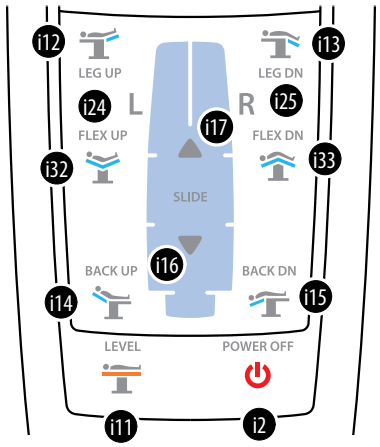


TruSystem 7000 cable remote control:

[30] Touchscreen
[i30] Cancel or go back up to the previous level in the menu
[i31] OK - Confirm a selected menu function and return to the main menu
[i45] Lock operating table
[i47] Traction drive at the foot end (only for operating table version MB/MBW)
[i48] Traction drive at the head end (only for operating table version MB/MBW)
[i52] Freewheel
[i54] Running gear assistance

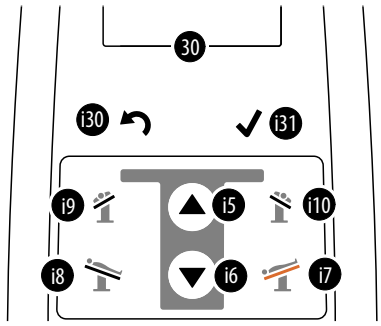


[i5] Lift up
[i6] Lower
[i7] Trendelenburg
[i8] Reverse Trendelenburg
[i9] Tilt left
[i10] Tilt right

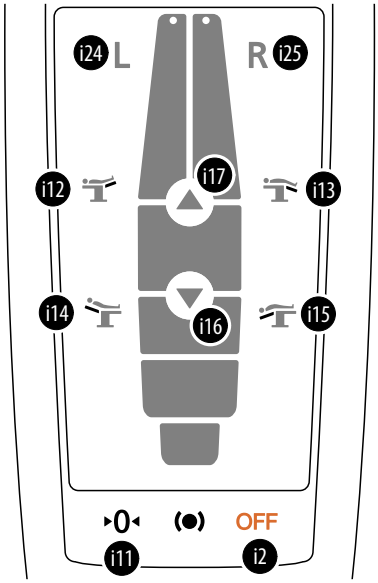


[i2] Switching off the operating table
[i11] Level position
[i12] Raise leg section joints
[i13] Lower leg section joints
[i14] Raise back section joints
[i15] Lower back section joints
[i16] Longitudinal travel toward head end
[i17] Longitudinal travel toward foot end
[i24] Select left joint
[i25] Select right joint
[i32] Flex up
[i33] Flex down

TruSystem 7500 wireless remote control (only operating table version MBW):



[30] Touchscreen
[i5] Lift up
[i6] Lower
[i7] Trendelenburg
[i8] Reverse Trendelenburg
[i9] Tilt left
[i10] Tilt right
[i30] Cancel or go back up to the previous level in the menu
[i31] OK - Confirm a selected menu function and return to the main menu

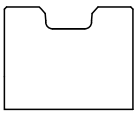
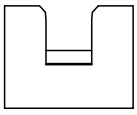
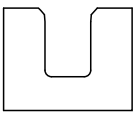
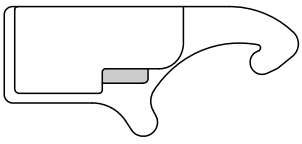
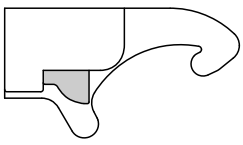
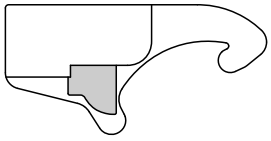


[i2] Switching off the operating table
[i11] Level position
[i12] Raise leg section joints
[i13] Lower leg section joints
[i14] Raise back section joints
[i15] Lower back section joints
[i16] Longitudinal travel toward head end
[i17] Longitudinal travel toward foot end
[i24] Select left joint
[i25] Select right joint

The handling behavior cannot be controlled with the TruSystem 7500 remote control.

3.4 Hook couplings

The hook coupling is a separable connecting point between the operating tabletop and the tabletop sections. Each hook coupling is made up of a fixing point or hook. The design of the fixing point determines which hook can be attached. The hook couplings are designed so that only certain combinations are possible, and the configuration of the operating tabletop is always mechanically secure. There are 3 different fixing points and hooks, which can be combined as follows:

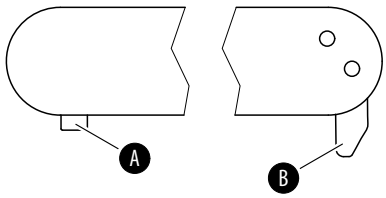
Hook coupling	Mount		
	S 	M 	L 
Hook with S encoding 	x	x	x
Hook with M encoding 		x	x
Hook with L encoding 			x

The hook coupling of each tabletop section is described in the instructions for use for each tabletop section.

The available hook couplings on the operating tabletop are specified in Chapter 3.1.

3.5 Side rails

The operating tabletop is equipped with side rails. Accessories can be attached to the side rails. The accessories approved by Baxter are listed in the Compatibility Matrix [2)]. The accessories must be taken into account when determining the total patient weight.



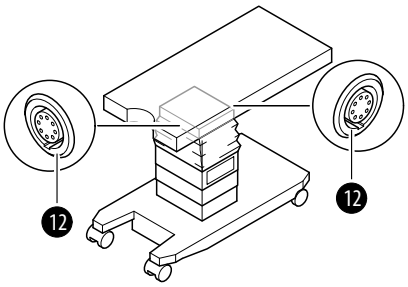
The side rails are available in various country-specific standards and differ in their dimensions. The side rails have a safety mechanism at the end [A]/[B]. The securing device prevents loose accessories from sliding off the side rail.

3.6 Connections for cables

Only the control units and cables listed may be connected to the operating table.

Connection socket [12] under the seat section:

- Cable remote control
- Footswitch



Connector pin [14] on the running gear:

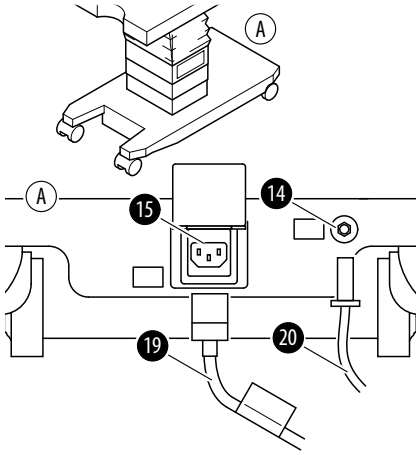
- Equipotential bonding cable [20]

  The operating table may be used only with the original equipotential bonding cable from Baxter.

Connection socket [15] on the running gear

- Mains power cable [19]

  The operating table must be connected to the power supply using the original mains power cable from Baxter. The mains power cable is marked with a label.



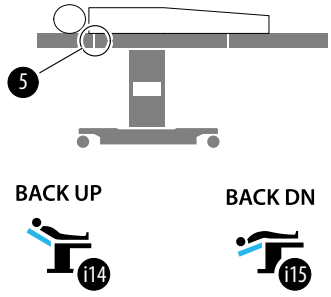
2) Document number 7990090

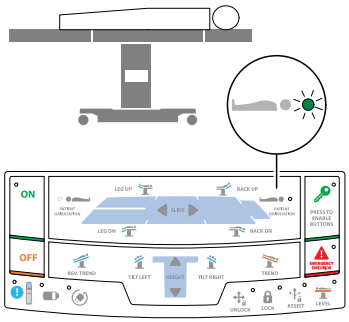
3.7 Setting options

3.7.1 Patient orientation

For the motor functions on the operating table, the operating table must be aware of the patient's current head position on it. Only if the indicator on the column keypad matches the orientation of the patient on the operating table will the operating table's functions be carried out on the correct side.

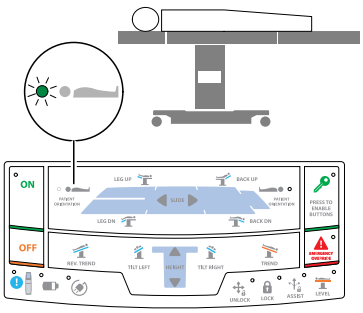
The adjustment ranges for the functions may be different with normal and inverted patient orientations, since the function is carried out based on the patient's position. For example, the leg section joints [5] assume the function of the back section in the inverted patient position. Commands are given using the keys for the back section [i14]/[i15].





Normal patient orientation (default setting):

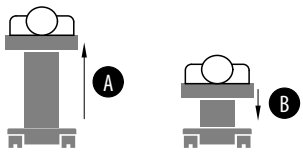
The patient lies with their head at the head end of the operating tabletop. After the operating table has been switched on, normal patient orientation is always automatically activated.



Inverted patient orientation:

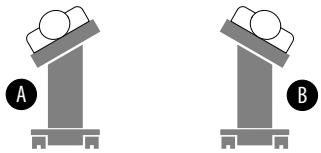
The patient lies with their head at the foot end of the operating tabletop. The patient orientation must be inverted. The inverted patient orientation remains activated only for as long as the operating table is switched on, or until the patient orientation is switched back to normal.

3.7.2 Lift



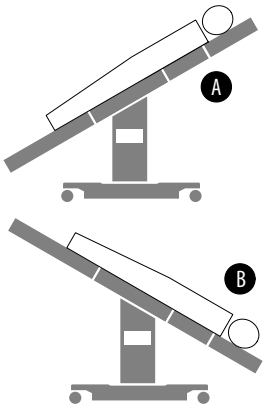
The operating tabletop is moved electrically upward [A] or downward [B].

3.7.3 Tilt



The operating tabletop is tilted around its longitudinal axis to the left [A] or right [B]. The side specification is based on the user's perspective when standing at the head end of the patient.

3.7.4 Trendelenburg

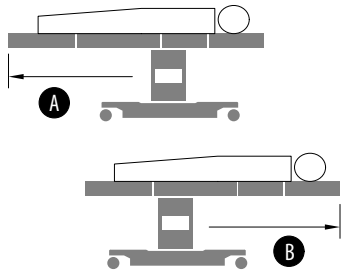


The operating tabletop is moved electrically around its transverse axis.

With the reverse Trendelenburg function [A], the operating tabletop is moved with the foot end downward.

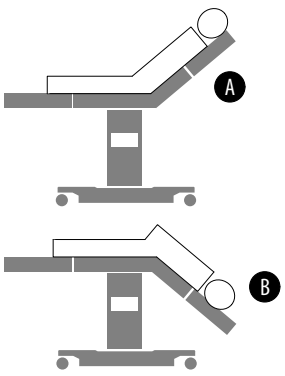
With the Trendelenburg function [B], the operating tabletop is moved with the head end downward.

3.7.5 Longitudinal slide



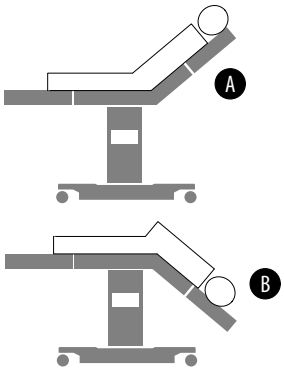
The operating tabletop is moved electrically towards the foot end [A] or head end [B] of the patient.

3.7.6 Back section (Operating table with two-part operating tabletop)



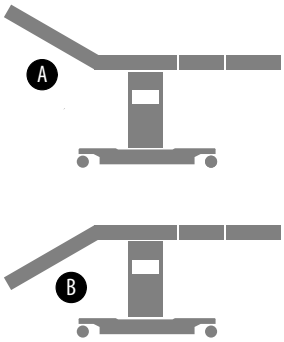
The back section is electrically moved upwards [A] or downwards [B].

3.7.7 Back section joints (Operating table with one-part operating tabletop)



The joints are inclined electrically upward [A] or downward [B].

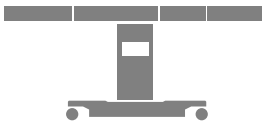
3.7.8 Leg section joints



The joints are inclined electrically upward [A] or downward [B]. The joints can only be moved together with the column keypad.

With the remote control, when the normal patient orientation is selected, the right and left joints can be moved independently of each other. The default setting on the remote control is for the joints to be adjusted together. The joints cannot be adjusted individually if a single-part tabletop section is attached to both joints.

3.7.9 Level position

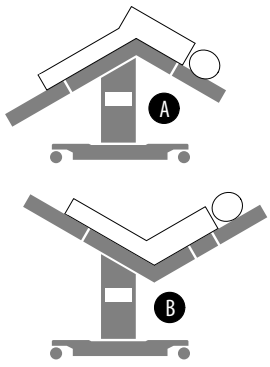


The level position is a defined starting position in which the operating tabletop is moved to a horizontal position.

Moving to the level position means that the electrically adjustable movements of the operating table automatically return to defined starting positions in the following sequence.

1. Combined movement during which the motorized joints of the operating tabletop, the reverse Trendelenburg or Trendelenburg setting and the tilt are set to the horizontal position.
2. The longitudinal slide adjustment of the operating tabletop is brought to its middle position.

3.7.10 Flex down / flex up



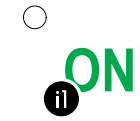
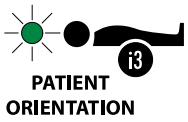
The operating tabletop folds electrically between the seat and back section.

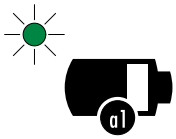
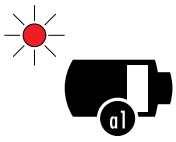
In the flex down position [A], both ends of the operating tabletop are moved downward (reverse Trendelenburg function and back section down).

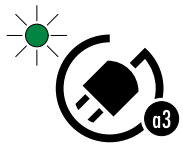
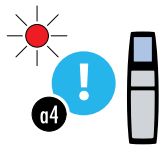
In the flex up position [B], both ends of the operating tabletop are moved upward (Trendelenburg function and back section up).

The flex down and flex up function can only be selected with the remote control.

3.8 Visual displays and indicators

Display	Status	Color	Meaning	Action
Ready [i1]				
	Illuminated	green	Operating table is switched on and ready to use.	–
	Flashing	green	In addition to indicator [i1], the emergency mode indicator is illuminated.	See indicator [i20]
	Not illuminated	–	Operating table is switched off.	Switch on the operating table if necessary.
Key release [i53]				
	Illuminated	green	Column keypad is released. The keypad locks 10 seconds after the last key is pressed.	–
PRESS TO ENABLE BUTTONS	Flashing	green	In addition, a shrill single tone (warning tone) sounds. Column keypad locked. A locked key was pressed on the keypad. Direct operation of the operating table using the column keypad is not possible.	Press key [i53]. The keypad is released for operation for 10 seconds. Select functions on the column keypad using the two-key control.
 PRESS TO ENABLE BUTTONS	Not illuminated	–	Column keypad locked. Direct operation of the operating table using the column keypad is not possible. The OFF key is an exception. The operating table can be turned off at any time using the OFF key on the column keypad.	Press key [i53]. The keypad is released for operation for 10 seconds and the indicator is constantly illuminated. Select functions on the column keypad using the two-key control.
Head position left [i3]				
	Illuminated	green	Indicator corresponds to the head position of the patient on the operating table.	–
Head position right [i4]				
	Illuminated	green	Indicator corresponds to the head position of the patient on the operating table.	–
Level position [i11]				
	Illuminated	green	The operating table is in level position.	–
	Flashing	green	Leveling of the operating table is incomplete.	Inform the Technical Customer Service.

Display	Status	Color	Meaning	Action
Emergency operation [i20]				
	Illuminated	in red	In addition to indicator [i20], the operational readiness indicator [i1] flashes. The operating table emergency mode was activated manually.	Block the defective operating table from use for subsequent operations. Inform the Technical Customer Service.
Locking (jacking up) [i45]				
	Illuminated	green	The operating table is jacked up.	–
	Flashing	green	In addition, a shrill single tone (warning tone) sounds. The operating table is free to move or running gear assistance is active. A function has been selected which is locked for this status (operating table unlocked).	Press key [i45]. The operating table is being jacked up; the indicator light goes out.
				The indicator is constantly illuminated if a locked key is pressed when 10 seconds have passed since the last key was pressed.
Freewheel [i52]				
	Illuminated	green	The operating table is activated for free movement.	–
Running gear assistance [i54]				
	Illuminated	green	Operating table movement is assisted by an additional wheel in the center under the running gear. The operating table can be rotated about its center, shifted into direction travel, or moved with the drive mode *1.	–
Battery status [a1]				
	Illuminated	green	Operating table is fully charged.	–
	Flashing	green	Operating table is charging.	–
	Illuminated	in red	Operating table requires charging.	Establish an external power supply connection for the operating table.
	Flashing	in red	**Operating table battery is discharged. Electrical functions are severely limited. Operating table shutdown is imminent.**	**Establish an external power supply connection for the operating table.**

Display	Status	Color	Meaning	Action
External power supply [a3]				
	Illuminated	green	Power cable is connected to the operating table. External power supply available (power supply connection).	–
Malfunction [a4]				
	Illuminated	in red	An error has occurred with the operating table. Operating table can be used in a limited manner.	Note the indicator in the remote control display. Inform the Technical Customer Service.

*1 Only for operating table version MB/MBW

3.9 Sounds

Various audible signals sound in conjunction with specific operational procedures or statuses of the operating table.

Action	Description of audible signal
Switching on the operating table	Ascending tone sequence
Switching off the operating table	Descending tone sequence
Maximum overload limit, end position or level position of selected adjustment range reached	Single tone
Confirmation of an operational procedure, e.g.: – Key lock released – Level position reached – Running gear procedures (travel, jacking up/down)	 Double tone Double tone Repeating single tone During movement the single tone repeats at intervals of a few seconds.
Operating table needs charging	2 pulsing tone sequences intermittently repeating (at an interval of several minutes - battery tone)
Error	Shrill triple tone (error tone)
Warning, e.g.: – Leg sections moving toward one another during single hinge adjustment – Emergency mode	Repeating high-pitched single tone (warning tone) During movement the warning tone sounds repeatedly at intervals of a few seconds.

In addition to the acoustic signals, a corresponding indicator is shown in the display when using the TruSystem 7000 remote control device.

3.10 Load capacity of operating table with two-piece operating tabletop

⚠ WARNING

Risk of personal injury and material damage when permissible loads are exceeded

- Do not exceed the permitted load capacity for the operating table. When exceeding the permitted load capacity, the mobile operating table could tip over, resulting in severe injuries to patients and personnel. In general, overloading the operating table can lead to a failure of electrical functions and cause material damage to mechanical parts.

The operating table is approved for a maximum patient weight of 450 kg / 992 lbs. The maximum load may only be applied to the operating table if the conditions in Chapter 3.10 are met. Consult Baxter regarding the permissible load in any configuration of the operating table other than that described in these instructions for use.

The load consists of the weight of the patient and the net weight of the accessories. Additional accessories on the operating tabletop therefore reduce the permissible patient weight. The net weight of the accessory parts must be deducted from the permissible patient weight.

Regardless of the load on the operating table, the load on the individual accessories and tabletop sections must be complied with. The requirements are indicated in the instructions for use of the products.

The values stated are valid for an evenly loaded operating tabletop (surface load).

Special case:

⚠ WARNING

Risk of personal injury and material damage when permissible loads are exceeded

- In the case of an operating table composition with the light one-part leg section, the patient's weight is limited to 135 kg / 297 lbs. A different leg section must be used on the operating table for a heavier patient.

Overload protection:

⚠ WARNING

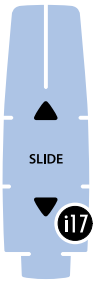
Risk of personal injury. Hazard to the patient.

- If the operating table reports a problem with the operating table load, the operating table configurations specified in Chapters 3.10.1 to 3.10.11 must be followed without fail.

The electronics system of the operating table constantly checks the loading situation and warns the user of an overload on the operating table.

For an operating table load very close to a load limit, all active movements stop, an audible signal sounds and a warning message is displayed on the remote control. On the remote control, the function button flashes, signaling that it is enabling an evasive

movement to bring the operating table with its current load back into a safe range. If the operating table load is exceeded, an error message is shown on the remote control display. Only the flashing evasive movement is permitted on the operating table.



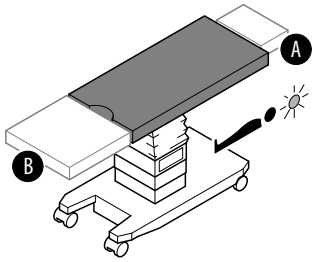
Example: When checking the operating table load, the electronics system detects a head-end overload of the operating table. The warning or error message appears on the remote control display. In order to get the operating table load back into balance, press flashing key [i17]. When the warning message is shown, only the function for longitudinal slide adjustment toward the head end is locked. If the operating table load is exceeded, all other functions of the operating table are locked with the error message.

Some typical operating tabletop configurations and the associated load limits are listed below. Compliance with the specifications prevents overloading of the operating tabletop.

Symbol explanation:

Notifications on the column keypad for the head position of the patient.

3.10.1 Operating tabletop with head section and leg section



1. A head section is [A] attached at the head end of the operating tabletop.
2. A leg section is [B] attached at the foot end of the operating tabletop. The permissible patient weight depends on the leg section used.
3. The orientation of the patient on the operating tabletop is normal.

Permissible load:

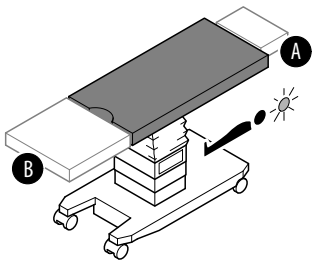
450 kg / 992 lbs Patient weights of up to 450 kg / 992 lbs are permitted with restricted longitudinal slide if the one-part leg section is attached to the operating tabletop. The longitudinal slide of the operating tabletop is possible only toward the foot end of the patient (adjustment range extending from the level position up to the end position at the foot end). Longitudinal travel of the operating tabletop toward the head end of the patient is locked.

225 kg / 496 lbs Patient weights of up to 225 kg / 496 lbs are permitted with any leg section without any restrictions applying to the operating table functions.

Note that additional accessory parts reduce the permissible patient weight.

3.10.2 Operating tabletop with head section and universal section

Version 1



1. A head section is [A] attached at the head end of the operating tabletop.
2. The universal section [B] is attached at the foot end of the operating tabletop.
3. Normal patient orientation is active on the operating table.

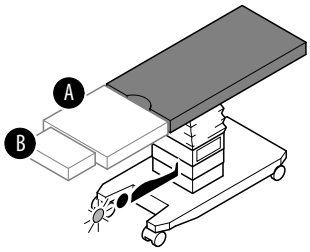
Permissible load:

450 kg / 992 lbs Patient weights of up to 450 kg / 992 lbs are permitted when the operating tabletop's longitudinal slide is in the level position.

225 kg / 496 lbs Patient weights of up to 225 kg / 496 lbs are possible without any restrictions applying to the operating table functions.

Attention: Additional accessories on the operating table reduce the permissible patient weight.

Version 2

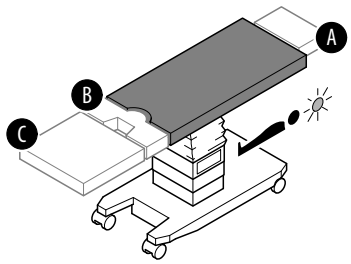


1. No tabletop section is required at the head end of the operating tabletop.
2. The universal section [A] and a head section [B] are attached at the foot end of the operating tabletop.
3. The patient orientation on the operating table is switched to inverted.

Permissible load on the operating tabletop:

200 kg / 440 lbs Patient weights of up to 200 kg / 440 lbs are possible without any restrictions applying to the operating table functions. Attention: Additional accessories on the operating table reduce the permissible patient weight.

3.10.3 Operating tabletop with head section, seat section extension and leg sections

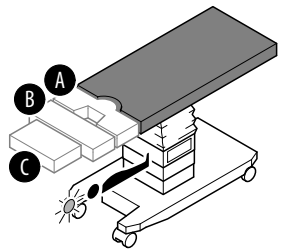


1. A head section is [A] attached at the head end of the operating tabletop.
2. A seat section extension [B] and a leg section are [C] attached at the foot end of the operating tabletop.
3. The orientation of the patient on the operating tabletop is normal.

Permissible load:

225 kg / 496 lbs Patient weights of up to 225 kg / 496 lbs are possible without any restrictions applying to the operating table functions. Note that additional accessory parts reduce the permissible patient weight.

3.10.4 Operating tabletop with seat section extension, upper back section and head section



1. No tabletop section is required at the head end of the operating tabletop.
2. A seat section extension [A], an upper back section [B] and a head section are [C] attached at the foot end of the operating tabletop.
3. The orientation of the patient on the operating tabletop is inverted.

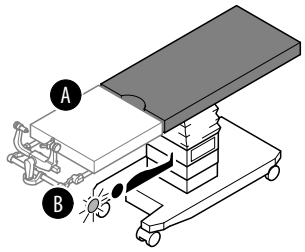
Permissible load:

225 kg / 496 lbs Patient weights of up to 225 kg / 496 lbs are possible with restricted longitudinal slide toward the head end of the patient.

160 kg / 352 lbs Patient weights of up to 160 kg / 352 lbs are possible without any restrictions applying to the operating table functions.

Note that additional accessory parts reduce the permissible patient weight.

3.10.5 Operating tabletop with Carbon 600 / narrow Carbon 600 tabletop section



1. No tabletop section is required at the head end of the operating tabletop.
2. A Carbon 600 [A] / Carbon 600 narrow tabletop section with X-RAY [B] head-positioning accessory is fastened to the foot end of the operating tabletop.
3. The orientation of the patient on the operating tabletop is inverted.

Permissible load:

160 kg / 352 lbs

Operating tabletop with Carbon 600 tabletop section:

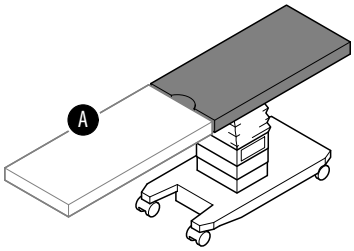
Patient weights of up to 160 kg / 352 lbs are possible with restricted longitudinal slide toward the head end of the patient.

Operating tabletop with Carbon 600 narrow tabletop section:

Patient weights of up to 160 kg / 352 lbs are possible without any restrictions applying to the operating table functions.

Note that additional accessory parts reduce the permissible patient weight.

3.10.6 Operating tabletop with Carbon 1200 tabletop section



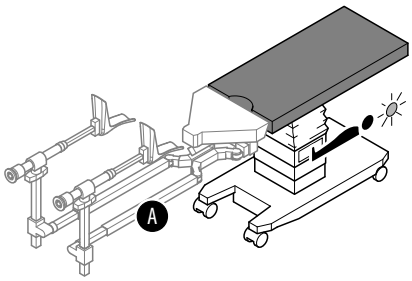
1. No tabletop section may be attached to the head end of the operating tabletop.
2. A Carbon 1200 tabletop section is [A] attached at the foot end of the operating tabletop.
3. The orientation of the patient on the operating tabletop is normal or inverted. The permissible patient weight depends on the patient position.

Permissible load:

160 kg / 352 lbs	A patient weight of up to 160 kg / 352 lbs in the normal patient position is possible with restriction of the operating table functions.
135 kg / 297 lbs	A patient weight of up to 135 kg / 297 lbs in the inverse patient position is possible with restriction of the operating table functions.

Note that additional accessory parts reduce the permissible patient weight.

3.10.7 Operating tabletop with extension unit

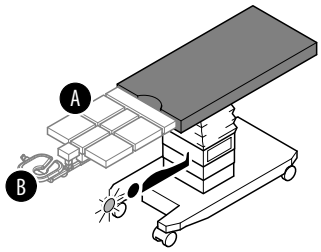


1. The extension unit [A] is attached at the foot end of the operating tabletop.
2. The orientation of the patient on the operating tabletop is normal.

Permissible load:

160 kg / 352 lbs	Patient weights of up to 160 kg / 352 lbs are possible without any restrictions applying to the operating table functions.

3.10.8 Operating tabletop with shoulder chair



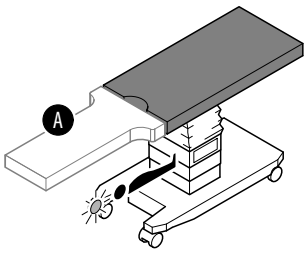
1. No tabletop section is required at the head end of the operating tabletop.
2. The shoulder chair [A] with the head-positioning accessory [B] is fastened to the foot end of the operating tabletop.
3. The orientation of the patient on the operating tabletop is inverted.

Permissible load:

225 kg / 496 lbs	A patient weight of up to 225 kg / 496 lbs is permitted.

Note that additional accessory parts reduce the permissible patient weight.

3.10.9 Operating tabletop with pediatric extension section



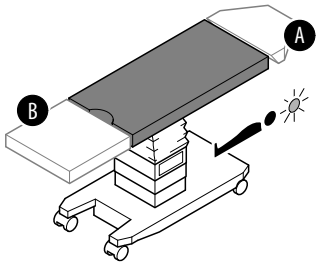
1. No tabletop section is required at the head end of the operating tabletop.
2. The pediatric extension section [A] is attached at the foot end of the operating tabletop.
3. The patient orientation on the operating table is switched to inverted.

Permissible load:

40 kg / 88 lbs A patient weight of up to 40 kg / 88 lbs is permitted.

Attention: Additional accessories on the operating table reduce the permissible patient weight.

3.10.10 Operating tabletop with ophthalmological adapter and leg sections



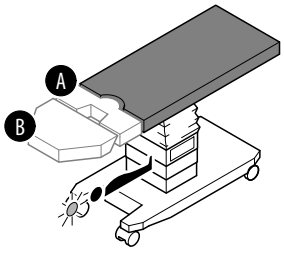
1. The ophthalmological adapter [A] is attached at the head end of the operating tabletop.
   Accessories for head positioning can be attached to the ophthalmological adapter.
2. Leg sections [B] are attached at the foot end of the operating tabletop.
3. Normal patient orientation is active on the operating table.

Permissible load:

200 kg / 440 lbs Patient weights of up to 200 kg / 440 lbs are permitted if the load capacity of head positioning device on the ophthalmological adapter is observed.

Attention: Additional accessories on the operating table reduce the permissible patient weight.

3.10.11 Operating tabletop with seat section extension and ophthalmological adapter



1. No tabletop section is required at the head end of the operating tabletop.
2. The seat section extension [A] with the ophthalmological adapter [B] is attached at the foot end of the operating tabletop.
   Accessories for head positioning can be attached to the ophthalmological adapter.
3. The patient orientation on the operating table is switched to inverted.

Permissible load:

225 kg / 496 lbs Patient weights of up to 225 kg / 496 lbs are permitted if the longitudinal extension on the head positioning device is pushed in.

Attention: Additional accessories on the operating table reduce the permissible patient weight.

3.11 Load capacity of operating table with one-piece operating tabletop

⚠ WARNING

Risk of personal injury and material damage when permissible loads are exceeded

- Do not exceed the permitted load capacity for the operating table. When exceeding the permitted load capacity, the mobile operating table could tip over, resulting in severe injuries to patients and personnel. In general, overloading the operating table can lead to a failure of electrical functions and cause material damage to mechanical parts.

The operating table is approved for a maximum patient weight of 450 kg / 992 lbs. The maximum load may only be applied to the operating table if the conditions in Chapter 3.10 are met. Consult Baxter regarding the permissible load in any configuration of the operating table other than that described in these instructions for use.

The load consists of the weight of the patient and the net weight of the accessories. Additional accessories on the operating tabletop therefore reduce the permissible patient weight. The net weight of the accessory parts must be deducted from the permissible patient weight.

Regardless of the load on the operating table, the load on the individual accessories and tabletop sections must be complied with. The requirements are indicated in the instructions for use of the products.

The values stated are valid for an evenly loaded operating tabletop (surface load).

Special case:

⚠ WARNING

Risk of personal injury and material damage when permissible loads are exceeded

- In the case of an operating table composition with the light one-part leg section, the patient's weight is limited to 135 kg / 297 lbs. A different leg section must be used on the operating table for a heavier patient.

Overload protection:

⚠ WARNING

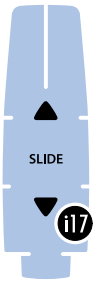
Risk of personal injury. Hazard to the patient.

- If the operating table reports a problem with the operating table load, the operating table configurations specified in Chapters 3.11.1 to 3.11.11 must be followed without fail.

The electronics system of the operating table constantly checks the loading situation and warns the user of an overload on the operating table.

For an operating table load very close to a load limit, all active movements stop, an audible signal sounds and a warning message is displayed on the remote control. On the remote control, the function button flashes, signaling that it is enabling an evasive

movement to bring the operating table with its current load back into a safe range. If the operating table load is exceeded, an error message is shown on the remote control display. Only the flashing evasive movement is permitted on the operating table.



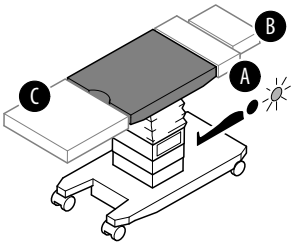
Example: When checking the operating table load, the electronics system detects a head-end overload of the operating table. The warning or error message appears on the remote control display. In order to get the operating table load back into balance, press flashing key [i17]. When the warning message is shown, only the function for longitudinal slide adjustment toward the head end is locked. If the operating table load is exceeded, all other functions of the operating table are locked with the error message.

Some typical operating tabletop configurations and the associated load limits are listed below. Compliance with the specifications prevents overloading of the operating tabletop.

Symbol explanation:

Notifications on the column keypad for the head position of the patient.

3.11.1 Operating tabletop with head section, upper back section and universal section



1. An upper back section [A] and a head section [B] are attached at the head end of the operating tabletop.
2. The universal section [C] is attached at the foot end of the operating tabletop.
3. Normal patient orientation is active on the operating table.

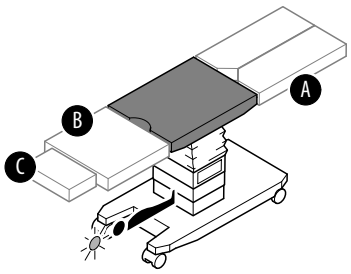
Permissible load:

450 kg / 992 lbs Patient weights of up to 450 kg / 992 lbs are permitted when the operating tabletop's longitudinal slide is in the level position.

250 kg / 551 lbs Patient weights of up to 250 kg / 551 lbs are possible without any restrictions applying to the operating table functions.

Attention: Additional accessories on the operating table reduce the permissible patient weight.

3.11.2 Operating tabletop with head section, universal section and leg section

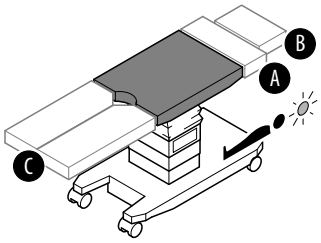


1. A leg section [A] is attached at the head end of the operating tabletop.
2. The universal section [B] and a head section [C] are attached at the foot end of the operating tabletop.
3. The patient orientation on the operating table is switched to inverted.

Permissible load on the operating tabletop:

200 kg / 440 lbs Patient weights of up to 200 kg / 440 lbs are possible without any restrictions applying to the operating table functions. Attention: Additional accessories on the operating table reduce the permissible patient weight.

3.11.3 Operating tabletop with head section, upper back section and leg section



1. An upper back section [A] and a head section [B] are attached at the head end of the operating tabletop.
2. A leg section is [C] attached to the foot end of the operating tabletop.
3. The orientation of the patient on the operating tabletop is normal.

Permissible load:

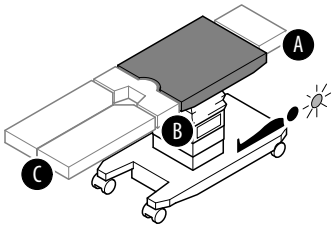
450 kg / 992 lbs Patient weights of up to 450 kg / 992 lbs are permitted under the following conditions:

1. The longitudinal slide adjustment of the operating tabletop must be in level position.
2. The operating table column can be inclined up to 15° about the transverse axis (tilt). Tilt automatically stops at 15° which is indicated acoustically by means of a signal tone. Do not continue to tilt the operating table column after the intermediate stop is reached.

250 kg / 551 lbs Patient weights of up to 250 kg / 551 lbs are possible without any restrictions applying to the operating table functions.

Note that additional accessory parts reduce the permissible patient weight.

3.11.4 Operating tabletop with head section, seat section extension and leg sections



1. A head section is [A] attached at the head end of the operating tabletop.
2. A seat section extension [B] and a leg section are [C] attached at the foot end of the operating tabletop. The permissible patient weight depends on the leg section used.
3. The orientation of the patient on the operating tabletop is normal.

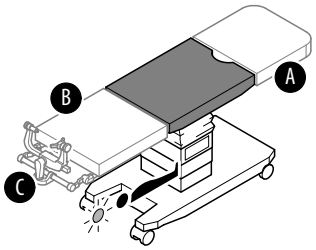
Permissible load:

225 kg / 496 lbs Patient weights of up to 225 kg / 496 lbs are permitted, provided that no four-part leg section is attached to the operating tabletop. The operating table functions can be used without limitation.

200 kg / 440 lbs Patient weights of up to 200 kg / 440 lbs are possible with any leg section. The operating table functions can be used without limitation.

Note that additional accessory parts reduce the permissible patient weight.

3.11.5 Operating tabletop with Carbon 600 / Carbon 600 narrow tabletop section and leg section



1. A leg section [A] is attached at the head end of the operating tabletop.
2. A Carbon 600 / Carbon 600 narrow tabletop section [B] with X-RAY head-positioning accessory [C] is fastened to the foot end of the operating tabletop.
3. The orientation of the patient on the operating tabletop is inverted.

Permissible load:

160 kg / 352 lbs **Operating tabletop with Carbon 600 tabletop section:**

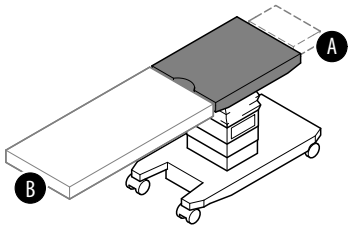
Patient weights of up to 160 kg / 352 lbs are possible with restricted longitudinal slide toward the head end of the patient.

Operating tabletop with Carbon 600 narrow tabletop section:

Patient weights of up to 160 kg / 352 lbs are possible without any restrictions applying to the operating table functions.

Note that additional accessory parts reduce the permissible patient weight.

3.11.6 Operating tabletop with Carbon 1200 tabletop section



1. A head section [A] can be attached at the head end of the operating tabletop, as required.
2. A Carbon 1200 tabletop section [B] is attached at the foot end of the operating tabletop.
3. The orientation of the patient on the operating tabletop is normal or inverted. The permissible patient weight depends on the patient position.

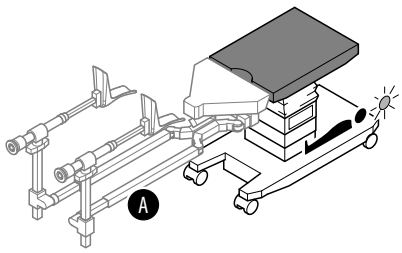
Permissible load:

160 kg / 352 lbs Patient weights of up to 160 kg / 352 lbs are permitted for the normal patient position. The operating table functions can be used without limitation.

135 kg / 297 lbs Patient weights of up to 135 kg / 297 lbs are permitted in the inverted patient position. The operating table functions can be used without limitation.

Note that additional accessory parts reduce the permissible patient weight.

3.11.7 Operating tabletop with extension unit

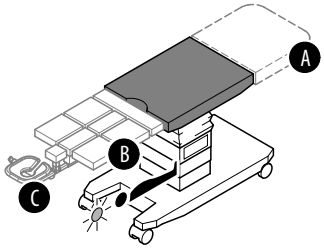


1. The extension unit [A] is attached at the foot end of the operating tabletop.
2. The orientation of the patient on the operating tabletop is normal.

Permissible load:

160 kg / 352 lbs Patient weights of up to 160 kg / 352 lbs are possible without any restrictions applying to the operating table functions.

3.11.8 Operating tabletop with shoulder chair



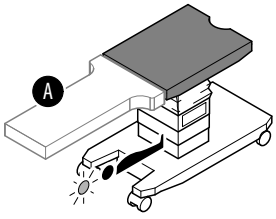
1. Leg sections [A] can be attached at the head end of the operating tabletop, as required.
2. The shoulder chair [B] with the head-positioning accessory [C] is fastened to the foot end of the operating tabletop.
3. The orientation of the patient on the operating tabletop is inverted.

Permissible load:

225 kg / 496 lbs A patient weight of up to 225 kg / 496 lbs is permitted.

Note that additional accessory parts reduce the permissible patient weight.

3.11.9 Operating tabletop with pediatric extension section



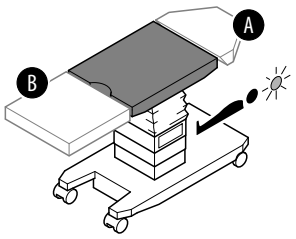
1. No tabletop section is required at the head end of the operating tabletop.
2. The pediatric extension section [A] is attached at the foot end of the operating tabletop.
3. The patient orientation on the operating table is switched to inverted.

Permissible load:

40 kg / 88 lbs A patient weight of up to 40 kg / 88 lbs is permitted.

Attention: Additional accessories on the operating table reduce the permissible patient weight.

3.11.10 Operating tabletop with ophthalmological adapter and leg sections



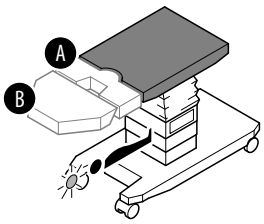
1. The ophthalmological adapter [A] is attached at the head end of the operating tabletop.
   Accessories for head positioning can be attached to the ophthalmological adapter.
2. Leg sections [B] are attached at the foot end of the operating tabletop.
3. Normal patient orientation is active on the operating table.

Permissible load:

225 kg / 496 lbs Patient weights of up to 225 kg / 496 lbs are permitted if the load capacity of head positioning device on the ophthalmological adapter is observed.

Attention: Additional accessories on the operating table reduce the permissible patient weight.

3.11.11 Operating tabletop with seat section extension and ophthalmological adapter



1. No tabletop section is required at the head end of the operating tabletop.
2. The seat section extension [A] with the ophthalmological adapter [B] is attached at the foot end of the operating tabletop.
   Accessories for head positioning can be attached to the ophthalmological adapter.
3. The patient orientation on the operating table is switched to inverted.

Permissible load:

225 kg / 496 lbs Patient weights of up to 225 kg / 496 lbs are permitted if the longitudinal extension on the head positioning device is pushed in.

Attention: Additional accessories on the operating table reduce the permissible patient weight.

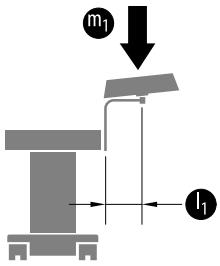
3.12 Loading the side rails

⚠ WARNING

Risk of personal injury and material damage when exceeding permissible loads

- Regardless of the permitted load capacity of the individual side rails, the one-sided total torque around the longitudinal axis of the operating table may not exceed 100 Nm / 73 ft·lb during normal use.

The maximum permitted torque on an operating tabletop side rail is 100 Nm / 73 ft.lb around the longitudinal axis and 150 Nm / 110 ft.lb about the transverse axis. Torque exists as soon as an accessory is coupled to the side rail.

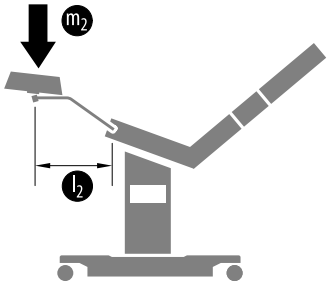


Torque around the longitudinal axis:

[m_1] Dead weight of the accessories *1 + supported weight

[l_1] Distance from the hook coupling to the force effect

*1 See the instructions for use of the accessory



Torque around the transverse axis:

[m_2] Dead weight of the accessories *1 + supported weight

[l_2] Distance from the hook coupling to the force effect

*1 See the instructions for use of the accessory

In the following table, torque is specified in accordance with weight and distance for some standard situations.

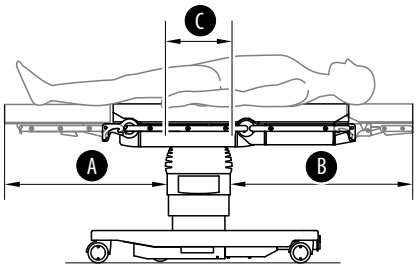
Weight [m]	Distance [l]				
	10 cm	20 cm	30 cm	40 cm	50 cm
10 kg	10 Nm	20 Nm	30 Nm	40 Nm	50 Nm
20 kg	20 Nm	40 Nm	60 Nm	80 Nm	100 Nm
30 kg	30 Nm	60 Nm	90 Nm		
40 kg	40 Nm	80 Nm			
50 kg	50 Nm	100 Nm			

Weight [m]	Distance [l]				
	0.32 ft	0.65 ft	0.98 ft	1.31 ft	1.64 ft
22 lb	7 ft·lb	14 ft·lb	22 ft·lb	29 ft·lb	36 ft·lb
44 lb	14 ft·lb	29 ft·lb	44 ft·lb	59 ft·lb	73 ft·lb
66 lb	22 ft·lb	44 ft·lb	66 ft·lb		
88 lb	29 ft·lb	59 ft·lb			
110 lb	36 ft·lb	73 ft·lb			

3.13 Use in imaging system

The tabletop is fully radiolucent between the struts. Avoid wrinkling the pad and other materials lying on it (towels, underlays) in order to keep image artifacts to a minimum.

The cladding protection is not radiolucent.



X-ray area of the operating tabletop:

[A] X-ray area, foot end
[B] X-ray area, head end
[C] Column area (not radiolucent)

The X-ray region [A]/[B] on the operating tabletop is the region between the struts of the end of the tabletop section and the cladding of the operating table column. The X-ray region is dependent on the longitudinal travel of the operating tabletop. The column area [C] is not radiolucent.

Cassette rails for X-ray cassette:

There are rails on the inside of the back section arms to hold an X-ray cassette (size 35.56 cm: (14 inch)). The X-ray cassette can be pushed beneath the seat/back section. Push the X-ray cassette into the fixing points on the inside of the struts. The cassette is not fixed and may slide if the operating tabletop is not horizontal or is moved. Please note this in order to avoid damage to the X-ray cassette.

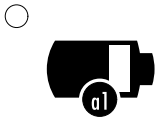
3.14 Driving modes

The operating table has a running gear. The driving behavior of the operating table is regulated via four freely swiveling wheels, four props and one additional 5th wheel in the middle under the running gear. The following running gear functions are selected or supported using the operating table operating units (remote, column keypad):

- Unlock the operating table (Unlock)
- Freewheel (Unlock)
- Directional travel (Assist)
- Rotate operating table (Assist)
- Directional travel with drive unit (only for MB/MBW operating table version) (drive)
- Operating table lock (Lock, jacks extended)

3.15 Internal power supply (battery operation)

Two lithium ion batteries provide the internal power supply. With the set of batteries charged, use of the electric operating table functions is guaranteed for 16 hours (total duration of movement for electrical functions). The electrical functions on the operating table are blocked when the rechargeable battery set is depleted or almost completely depleted. In this case, the external power supply must be connected.



The battery charge status can be seen on the indicator [a1] on the column keypad. Observe the indicator while using the operating table.

If the batteries are completely discharged, recharging will take approximately 3 hours. Indicator [a1] on the column keypad lights green when the batteries are fully charged. The charge current is reduced to a trickle charging current after charging. The trickle charging current is not harmful to the battery.

Always keep the operating table in a charged state so that it is ready for use immediately in case of external power supply failure.

If the operating table is not in use for an extended period, the batteries should be recharged periodically to preserve the battery service life. A charging interval of 1 month is recommended.

3.16 External power supply (line connection)

The operating table external power supply is provided by the power supply circuit in the room. When connected to the power supply, there are no limitations on the use of electrically powered operating table functions.

3.17 Equipotential bonding

Equipotential bonding compensates for different electrical potentials between live parts that may be touched in the area around the patient and protects against electrical discharges.

3.18 Automatic collision prevention

The operating table monitors the movement range of the operating tabletop and prevents collisions with the floor, the running gear and the operating table column. The function also ensures increased safety in the operating room.

Movement ranges are only monitored with the following operating table equipment:

- Head section single joint or head section double joint on the two-part tabletop head end
- Upper back section and head section single joint or head section double joint head end on the one-part tabletop
- One-part leg section or Carbon 600 tabletop section on the tabletop foot end

Different operating table equipment and accessories on the side rails are not monitored with regard to collisions. In this case, incorrect warning messages or no warning message may occur.

A warning tone during the function indicates that the maximum adjustment range will soon be reached. The function stops automatically prior to a possible collision with the floor, the running gear or the operating table column. Objects (for example, devices or furnishings) within the range of movement of the operating tabletop are not detected by the operating table. In this case the function must be stopped by the user before a collision occurs.

The monitoring of collisions takes place regardless of the load on the operating table.

3.19 Software settings

The following settings can be configured on the operating table via an Ethernet connection from a PC to the operating table by using the Baxter Service Interface software:

1. Stop on passing through the level position (activated for all functions by default):
   All operating table electrical adjustment functions stop automatically when the level position is reached. To adjust beyond the level position, briefly release the function key and press it again.
2. Restricted leveling (not active by default):
   This function allows the user to adjust the Level position function. In particular, the automatic leveling of the motorized tabletop section joints can be prevented.
3. Interim stop for table tilt, Trendelenburg and longitudinal travel (not activated by default):
   In addition to the general level position, interim stops can be set for the Tilting, Trendelenburg and Longitudinal travel functions. The respective function stops automatically upon reaching the newly set position. For any further adjustment briefly release the function key and then press it again. For safety reasons, the intermediate stop of the tilt function cannot be deactivated (the intermediate stop can be at an inclination angle from 5° to 15°).
4. Signal tone volume:
   This function allows the volume of the signal tones on the operating table to be individually adjusted.
5. Speed, drive unit:
   This function enables individual adjustment of the speed of the drive unit for the operating table version MB/MBW.

The desired option has to be adjusted on site by the Baxter Technical Customer Service or the responsible hospital technician.

4 Use

4.1 Safety instructions

Commissioning:

- Before using the products for the first time, they must first be cleaned and disinfected according to the hygiene specifications of the medical facility. Cleaning and disinfecting may be performed only by trained staff and using cleaning and disinfecting agents approved by Baxter.
- The medical device is subject to special precautionary measures regarding electromagnetic compatibility (EMC). Installation and commissioning must be in accordance with the Chapter 10.3 and Chapter 10.4.

Safety during operation:

- Follow the relevant instructions for use for proper and safe use of additional equipment.
- Risk of material damage to electrical equipment due to condensation! There is a risk of condensation forming during transport, which could potentially damage electronic components. After delivery of the operating table and before it is switched on or connected to an external power source, it is important to wait a certain period of time (at least 12 hours is recommended). Place the operating table in an environment with the same ambient temperature and relative humidity as the room where the table will be used. The batteries must be completely recharged after a significant change in temperature or humidity.
- The manufacturer will not be held liable if installed protective devices are removed, or if additional tabletop sections or accessories that do not meet the manufacturer's specifications are installed.
- Check that all electrical and mechanical functions/parts of the operating table, including accessories, are undamaged and in good working order before use. The use of faulty or damaged products is prohibited.
- Hazard to the patient due to improper attachment. Check that the section segments and accessories are securely fastened to the operating table before each use. Spontaneous movement may occur and loose elements may slip out. Loosen controls for adjustment purposes only. Tighten them again immediately after the adjustment. Check if fastening elements are properly seated.
- Risk of crushing by moving parts. Familiarize yourself with its operating functions before use.
- Risk of injury due to protruding parts. Keep sufficient distance.
- Use of the operating table is permitted in combination with other products from Baxter. The instructions for use of the products used must be observed and followed when the products are used.

Transport/repositioning:

- Occupational safety for personnel: Given their heavy weight, take extra care not to strain your back when lifting or carrying the tabletop sections and accessories, or when manually adjusting the operating table with or without a patient. Work with an additional person if necessary. Never couple or uncouple multiple tabletop sections or heavy, unwieldy accessories at the same time. Hold the component securely and do not drop it.
- Risk of personal injury. Incorrect loading can break the tabletop sections off the operating table or cause the operating table to tip over. Do not climb onto or down from the operating table over the back sections or attached tabletop sections. Patients may only get on or off in the column area via the seat section. Do not sit on the back section or other attached tabletop sections.
- Always move the operating table to the level position before placing a patient on the operating tabletop.
- Position the patient on the operating table securely (e.g., using straps) and actively support the patient when making adjustments to the operating table.
- Risk of collision when adjusting the operating table! Carry out all patient repositioning in a controlled and responsible manner. Pay close attention to all electrical functions and movements on the operating table as it moves into the final position. This is to avoid causing harm to the patient and damage to the materials on the operating table, equipment or furnishings. Potential collisions must be prevented by aborting the function.

  Make sure that no surgical draping, tubing or other objects come in contact with movable parts and get caught by them.

  Pay particular attention to the operating table when lowering, since the operating tabletop may collide with objects lying below it, or it may even make contact with the floor if set to an extreme position. In some circumstances, there is a risk of crushing for individuals concerned.
- Monitor the patient's position. When moving to the level position on the operating table, larger patient incline positions may occur compared to the initial position.

  Select the level position function only if there is no possibility of collisions. Monitor the movement from the level position up to the end position.
- Risk of physical injury due to the operating table tipping over. Moving the operating table with a patient positioned on it is only permitted if specific conditions are met (see Chapter 4.11).
- Danger of collision. Be especially careful when transporting the operating table. Be careful to avoid collisions with nearby persons or furniture and to prevent damage to the table.
- For accessories with removable pads, do not carry the accessories by the pad. The accessory will separate from the pad and fall onto the floor.
- To ensure safe use of the operating table, Technical Customer Service must be called immediately if there are leaks in the running gear hydraulics system (loss of hydraulic fluid).

Electrical safety:

- Position the operating table such that the detachable plug or device couplers are easily accessible.
- The operating table may only be connected to a power supply with a protection conductor. This prevents the risk of electric shock.
- Once a year, arrange for a qualified electrician to check the electrical safety of the operating table and the power supply. We recommend an annual general safety inspection by Baxter Technical Customer Service.
- The anti-static properties of the operating tabletop comply with the legal requirements. To meet this requirement, the pads supplied with the product must be used and be properly secured.
- Always keep the operating table in an operational (charged) state so that it is ready for use immediately in case of power supply failure.

  Fully charge the operating table prior to first use.
- An extension cable cannot be used with the mains power cable on the operating table, otherwise, in case of a fault, the permitted patient leakage current threshold will be exceeded. The fault occurs when the protection conductor is interrupted by a damaged mains power cable. The operating table must be connected to the power supply using the original mains power cable from Baxter.

  In addition, the supply voltage must be observed. The operating table must only be connected to the supply voltage indicated on the device label.
- Ensure that the power cable and equipotential bonding cable are not crushed or driven over. Stop using cables if damaged. If you have any concerns about the safety of the power cables and equipotential bonding conductors, work only with the internal (rechargeable) power supply until you have replaced the cable in question.

  Remove cables prior to relocating the table.
- When used on an electrically conductive floor, the operating table may be used only if connected to an equipotential bonding cable. The equipotential bonding cable connection location on the operating table is in accordance with IEC 60601–1.

Pads:

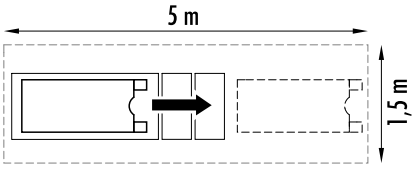
- The pads and cover retain the patient's body heat, thereby preventing body temperature from falling due to heat diffusion.
- The pads can be removed. Only use the appropriate pads made by Baxter. Do not position the patient on the operating table without a pad.
- Lift the patient into the desired position on the operating table; do not drag the patient over the pads. After each change of position, lift the patient's affected body parts. Any wrinkles or shearing forces that have developed will be reduced.

– Do not stick any sharp-edged objects into the pad. Avoid placing sharp objects on the pad. Do not attach any adhesive film.

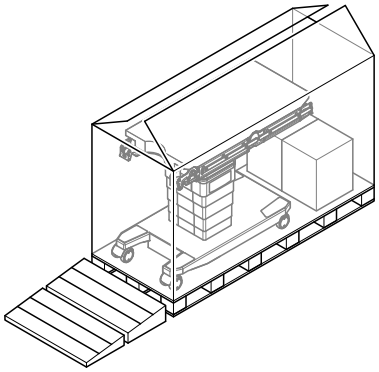
4.2 Unpacking and setting up the operating table

The operating table comes delivered in cardboard packaging, on a pallet. Ordered tabletop sections and accessories are packed individually on the pallet, or are connected to the operating table. Attention: the packaging is not weatherproof. Take note of the ambient conditions for storage and transportation (shipping).

Unpack the operating table in a room with a level floor and sufficient open space to roll away the pallet.



1. Position the pallet so that an area of approx. 1.5 m x 5 m (59.06 inch x 196.85 inch) is available.



2. Open the top of the box.
3. Lift and remove the two-part ramp and position it at the front edge of the pallet as shown.
4. Remove the box fasteners below at the pallet.
5. Lift and remove the box.
6. Remove the delivered parts.
7. Take off the straps.
8. Remove the wooden chocks.
9. **NOTICE!** Risk of material damage to electrical equipment due to condensation! There is a risk of condensation forming during transport, which could potentially damage electronic components. After delivery of the operating table and before it is switched on or connected to an external power source, it is important to wait a certain period of time (at least 12 hours is recommended). Place the operating table in an environment with the same ambient temperature and relative humidity as the room where the table will be used.
10. Switch on the operating table at the column keypad. Press the ON key [i1] for this purpose.

PRESS TO ENABLE BUTTONS

11. Release the key lock. Press key [i53] for this. The release of the keypad is indicated by an audible signal and the associated indicator lights up. The keypad is released for operation for 10 seconds.

UNLOCK

12. Unlock the operating table (jacks retracted). Press key [i52] until an intermittent audible signal is heard. This process is complete when the audible signal no longer sounds.
13. **CAUTION!** Risk of injury. The operating table may tip over and cause injuries if it is moved over the side edge of the pallet. Carefully remove the operating table from the pallet using the ramp. This requires at least 2 people.

PRESS TO ENABLE BUTTONS

14. Release the key lock. Press key [i53] for this. The release of the keypad is indicated by an audible signal and the associated indicator lights up. The keypad is released for operation for 10 seconds.

LOCK

15. Operating table lock (jacks extended) Press key [i45] until an intermittent audible signal is heard. This process is complete when the audible signal no longer sounds.
16. Dispose of the pallet, ramp, and packing material in an environmentally responsible manner.
17. Charging the operating table (see Chapter 4.4).
18. Cleaning the operating table (see Chapter 5).

4.3 Selection of functions

⚠ CAUTION

Risk to patients due to collision
Risk of crushing for the user

The automatic collision avoidance on the operating table is defined for specific operating table equipment and prevents collisions with the floor, the running gear and the operating table column. The operating table does not detect any objects in the vicinity.

- Collisions with the furnishings or the devices that are located below the operating tabletop must be prevented by the user. Moreover, in case of an operating table with a full set of table equipment, not all equipment parts are detected by the operating table electronics. Thus, collisions cannot be completely ruled out.
- Monitor all motorized movements on the operating table up to the end position and stop the function before a dangerous situation arises. Clear the area beneath the operating tabletop.

The operating table must be switched on for the operating table to be used. If the operating table is unlocked, only the functions for the driving mode are active, all other functions are locked.

Hold the function key on the column keypad or remote control down long enough for the desired position to be reached. The function stops in the following situations:

- The key is released.
- The level position has been reached.
- The intermediate stop has been reached. (see Chapter 3.19).
- The end position has been reached.

The automatic stop and the end position are indicated by an audible signal. For any further adjustment, briefly release the function key and then press it again.

The individual functions on the column keypad can be selected only once it is unlocked, or optionally via the two-key control.

The final position of a function depends on the operating table configuration and which functions have already been set on the operating table (current operating table position). The setting

ranges of the functions may be restricted. The speed at which the function is executed depends on the patient's weight. The speed may be lower for a heavier patient.

The operating table maintains the position set by the user. A change in position will only occur by means of a proactive action by the user.

4.3.1 Blocked keys

PRESS TO ENABLE BUTTONS

The column keypad is locked by default so that the functions on the operating table cannot be accidentally activated. It is not possible to control the operating table via the column keypad in this condition. Indicator [i53] does not light up. The operating table can be switched off at any time using the OFF key on the column keypad, regardless of the key release.

PRESS TO ENABLE BUTTONS

To release the key lock:

Press the key [i53] on the column keypad. Indicator [i53] lights up. The keypad automatically locks again 10 seconds after the last key operation.

4.3.2 Operating mode

An operating interval of 2 minutes power-on time and 8 minutes power-off time must be observed during operation. Do not hold down a function key for longer than 2 minutes.

4.4 Charging the batteries (external power supply)

⚠ DANGER

Electric shock due to missing protective conductor

- To avoid the risk of electric shock, the operating table must only be connected to a power supply network with a protective conductor.

⚠ DANGER

Electric shock from damaged mains power cable

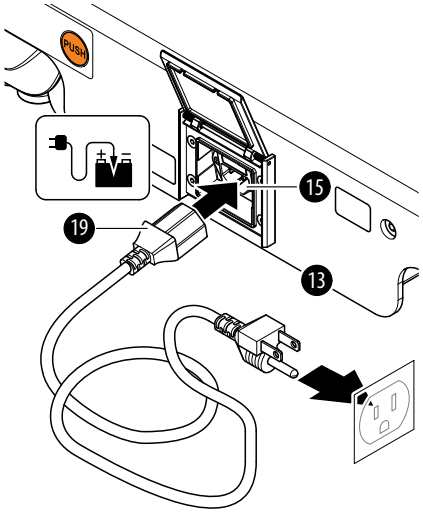
- Check the mains power cable before connecting it and do not use it if it has been crushed or if the insulation is damaged.

⚠ CAUTION

Standard requirements

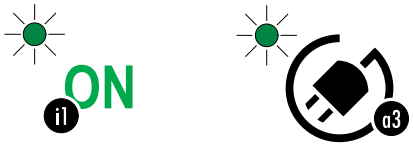
The safety of the operating table is only guaranteed with the original mains power cable.

- The operating table must be used with the original mains power cable from Baxter only.
- Do not extend the mains power cable on the operating table.

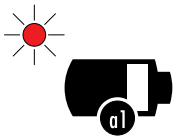


Connecting the cable:

1. Flip up the connector socket cover [15] on the running gear [13] and insert the power cable plug [19] into the socket as shown [15]. The connection location is identified by the symbol for the power supply connection.
2. Route the cable such that no one can trip or fall over it. Plug the connector of the mains power cable into a grounded power socket in the room. The grounded power socket must be outside of an area where there is a risk of explosion. There is risk of explosion in conjunction with flammable mixtures of anesthetics and air.



3. The indicator [a3] on the column keypad lights up. Indicator [a1] on the column keypad flashes green within 1 minute of plugging in the mains power cable.
   After a few seconds, an audible signal sounds. The operating table is only ready for use once the signal tone has sounded. If the operating table was switched off, it will switch on automatically when plugged into the wall outlet.

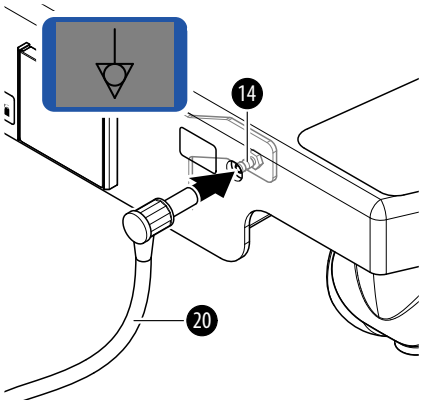


The battery charge status can be seen on indicator [a1] on the column keypad. Observe the indicator while using the operating table. The operating table has to be charged if the indicator lights up red. In addition, an audible signal sounds that repeats at intervals of a few minutes.

Disconnecting the cable:

1. Pull the mains power cable plug from the grounded wall socket. Indicator [a3] on the column keypad goes out and an audible signal sounds.
2. Pull the power cable plug from the connector socket on the running gear.

4.5 Connecting / disconnecting the equipotential bonding cable



Connecting the cable:

1. Connect the cable plug [20] to the connecting pin [14] on the operating table.
2. Plug the other end of the cable into the equipotential bonding in the operating room.

Disconnecting the cable:

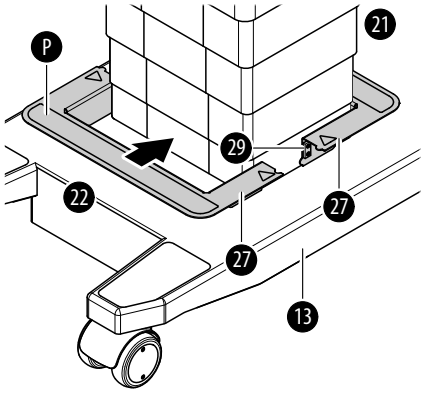
1. Disconnect the cable plug [20] from the connecting pin [14] on the operating table.
2. Pull the cable plug from the connection point in the operating room.

4.6 Attaching/removing the column cladding protection

⚠ CAUTION

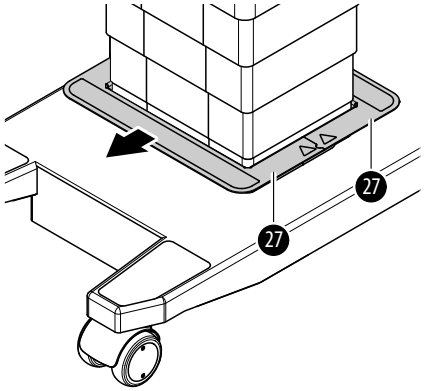
Danger of crushing fingers between the two cladding protection parts

- Do not reach between the two cladding protection parts during transport, storage and assembly of the column protection. Magnets are located at the ends of the cladding protection parts for assembly purposes. The power of magnets may cause both cladding protection parts to come together and crush the user's finger.



Attach cladding protection:

1. Apply the operating table brakes. See Chapter 4.12.
2. Pull both parts of the cladding protection [27] apart using both hands.
3. Place both parts of the cladding protection [27] from the head [21] end and foot end [22] onto the running gear [13] on the operating table. Ensure that the label [Q] on the product is visible.
4. Plug the two parts of the cladding protection [27] together. The cladding protection is assembled via the magnets [29] and surrounds the column cladding.



Remove the cladding protection:

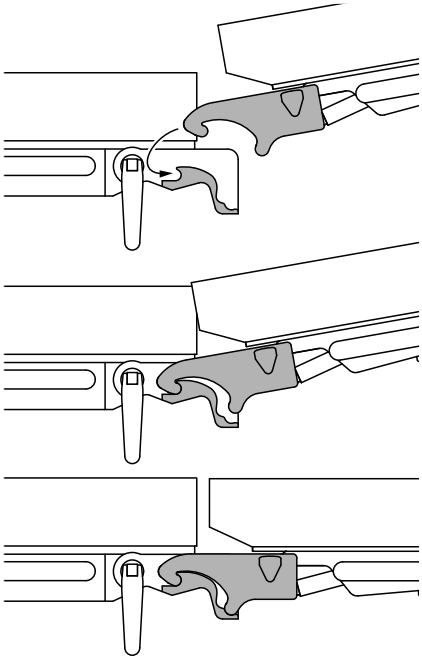
1. Apply the operating table brakes. See Chapter 4.12.
2. Remove one part of the cladding protection [27] with both hands.
3. Remove both cladding protection parts [27] from the operating table and place next to the OP table.
4. Plug the two parts of the cladding protection [27] together. Magnets are used to hold the cladding protection together.
5. Transport the cladding protection [27] to a safe place for storage.

4.7 Fastening/removing tabletop sections to/from the operating tabletop

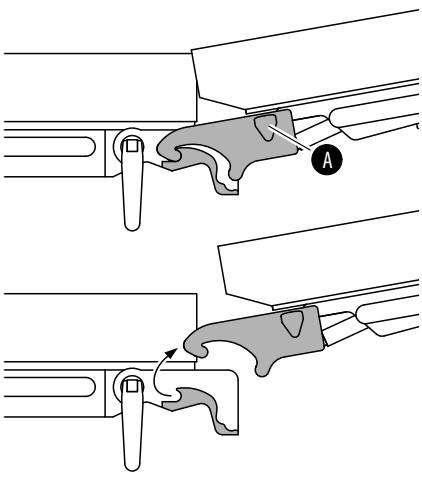
The following description provides a general summary. The instructions for use of the tabletop section used must also be followed.

Attaching the tabletop section:

1. Position the operating tabletop so that it is horizontal.
2. Bring the operating tabletop joints at which the tabletop section is to be attached to a horizontal position.



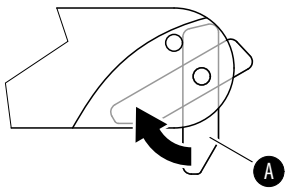
3. **CAUTION!** Risk of crushing injury to fingers. Do not touch the tabletop section at the hooks.
   Hang the tabletop section with the hooks in the fixing points on the operating tabletop. The interlock must audibly lock.
4. Check that the tabletop section is securely fastened to the operating tabletop. It must not be possible to pull the tabletop section from the operating tabletop.



Removing the tabletop section:

1. Release the interlock. To do this, press the knob [A] on the side or handle under the tabletop section and keep it pressed.
2. Lift the tabletop section a little and push it towards the operating tabletop until it can be lifted out of the fixing points on the operating tabletop.

4.8 Attaching accessories to the side rail



The description must be taken from the instructions for use for the accessory used.

The side rails have a mobile lever [A] on their outer ends, which is swiveled inwards when the clamp is slid on. To remove the accessory, swivel the lever [A] by hand into the side rail.

4.9 Operating states

4.9.1 Switching on the operating table

Press the ON [i1] key on the column keypad. Indicator [i1] on the column keypad lights up and an audible signal sounds after a few seconds. The operating table is only ready for use once the signal tone has sounded. Indicator [i1] lights up continuously when the operating table is switched on.

The operating table is always switched on when connected to an external power supply.

4.9.2 Switching off the operating table

The operating table can be switched off only if it is running on battery power. If connected to the external power supply, the operating table remains on permanently, since it will turn itself back on automatically after being turned off.

Battery operation

Press key [i2] on the column keypad or remote control for more than 2 seconds. An audible signal sounds shortly before shutdown.

By default, the operating table shuts down 4 hours after the last button press on a operating unit according to the following shutdown process to protect the rechargeable batteries.

An audible signal is heard 30 minutes before the automatic shutdown of the operating table and the remote control display shows a question asking whether the standby operation of the operating table should be extended.

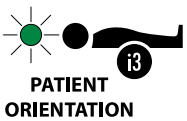
- If the user presses the OK key or OK [i31] button, the operating table shutdown time is extended by an additional 4 hours.
- If the user presses the Cancel [i30] key or Cancel button, the operating table will shut down in half an hour (after the 4 hours have elapsed).
- If the user does not react, the audible signal goes off a total of 12 times. The message remains on the remote control display. The operating table shutdown time is not extended. The operating table also shuts down after the 4 hours elapse.

It may be necessary for an operating table in battery mode to be switched on again in the interim for longer surgeries without the operating table controls being used.

4.10 Adjusting the operating table

4.10.1 Patient orientation

The head position of the patient must always match the indicator on the column keypad.



Normal patient orientation:

Press the [i4] key on the column keypad.

The indicator next to the [i4] key lights up.

Inverted patient orientation:

Press the [i3] key on the column keypad.

The indicator next to the [i3] key lights up.

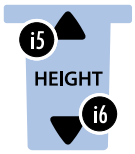
4.10.2 Lift

⚠ CAUTION

Risk to patients due to collision
Risk of crushing for the user

When lowering the operating tabletop, collisions may occur with the running gear, the floor, furnishings or devices located below the operating tabletop.

- Clear the area beneath the table top or raise the corresponding tabletop sections (leg/back section joints). Next, continue moving the operating tabletop downward.
- Pay particular attention to leg sections that are lowered.



Raise:

Press the [i5] key on the remote control or column keypad.

Lower:

Press the [i6] key on the remote control or column keypad.

4.10.3 Tilt

For safety reasons, the tilt function automatically stops at maximum 15° (see Chapter 3.19).

Tilt left:

Press the [i9] key on the remote control or column keypad.

Tilt right:

Press the [i10] key on the remote control or column keypad.

Restrictions:

The tilt adjustment range is also limited for a severe reverse Trendelenburg/Trendelenburg position. If a larger adjustment range is required for the tilt, the reverse Trendelenburg/ Trendelenburg position of the operating tabletop must be reduced.

4.10.4 Trendelenburg

⚠ CAUTION

Risk to patients due to collision
Risk of crushing for the user

When tilting the operating tabletop, collisions may occur with the column, the floor, the furnishings or the devices beneath the tabletop that may be covered by draping or underlays.

- Monitor all movements on the operating table up to the end position and stop the function if a dangerous situation arises.
- Clear the area beneath the operating tabletop, move the tabletop to a higher lift position or raise the corresponding tabletop sections (leg/back section joints). Then continue to the Trendelenburg/reverse Trendelenburg position.

Trendelenburg:

Press the [i7] key on the remote control or column keypad.

Reverse Trendelenburg:

Press the [i8] key on the remote control or column keypad.

Restrictions:

The reverse Trendelenburg/Trendelenburg position range is also limited for a severe tilt position. If a larger adjustment range is required for the reverse Trendelenburg/Trendelenburg position, the tilt of the operating tabletop must be reduced.

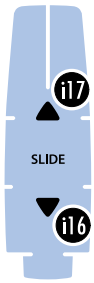
4.10.5 Longitudinal slide

⚠ CAUTION

Risk to patients due to collisions
Risk of crushing for the user

Accessory parts on the side rail may collide with the operating table column during longitudinal travel.

- Monitor all motorized movements on the operating table up to the end position and stop the function before a dangerous situation arises.



Longitudinal slide, head end:

Press the [i16] key on the remote control or column keypad.

Longitudinal slide, foot end:

Press the [i17] key on the remote control or column keypad.

Restrictions:

Longitudinal travel is automatically restricted or locked in the following situations.

1. The longitudinal travel is locked once the extension adapter is hooked onto the operating tabletop. The presence sensor is active.
2. The longitudinal travel may be limited if the leg section joints or lower back section joints are inclined downward. The setting range for longitudinal travel depends on the angles of inclination of the joints. If a larger setting range is required, the joints must be moved upward.
3. Longitudinal travel may be restricted if the operating tabletop is steeply inclined. If a larger adjustment range is required, the inclination of the operating tabletop must be reduced.
4. Longitudinal travel is restricted if a long tabletop section is hooked onto the leg section joints (e.g. Carbon 1200 tabletop segment). You will hear an error message if longitudinal travel is in the impermissible range. In this case, only longitudinal travel toward the head end is possible until the permissible range is reached. Furthermore, the inclination of the operating tabletop (tilting, Trendelenburg) can only move towards the level position and the lift function is locked.

4.10.6 Back section / back section joints

Back section up:

Press the [i14] key on the remote control or column keypad.

Back section down:

Press the [i15] key on the remote control or column keypad.

Restrictions:

The setting range of the joints is automatically restricted or blocked in the following situations.

1. Depending on the longitudinal travel, the downwards setting range of the joints may be restricted. If a larger setting range is required, the longitudinal travel needs to be changed.
2. The setting ranges for the normal and inverted patient positions are different (see Chapter 10).

4.10.7 Leg section joints together

There are side rails on the leg section joints of the operating table (not an option for the U-version of the operating table). When adjusting the leg section joints, accessories connected to the side rail are thus also repositioned.

Arrange the accessory on the operating table in such a manner that it does not collide with another accessories, tabletop sections or the operating table during positioning.

If the joints are in different positions, the function automatically stops once the first joint reaches the level position or end position.

Leg section up:

Press the [i12] key on the remote control or column keypad.

Leg section down:

Press the [i13] key on the remote control or column keypad.

Restrictions:

The setting range of the joints is automatically restricted or blocked in the following situations.

1. Depending on the longitudinal travel, the downwards setting range of the joints may be restricted. If a larger setting range is required, the longitudinal travel needs to be changed.
2. The setting ranges for the normal and inverted patient positions are different (see Chapter 10).
3. The leg section joints are locked once the extension adapter is hooked onto the operating tabletop.

4.10.8 Leg section joints individually

There are side rails on the leg section joints of the operating table (not an option for the U-version of the operating table). When adjusting the leg section joints, accessories connected to the side rail are thus also repositioned.

The function can only be selected with the remote control.

1. Remove an accessory part if it is attached to two joints simultaneously (e.g., a colonoscopy roller).
2. Arrange the accessory on the operating table in such a manner that it does not collide with another accessories, tabletop sections or the operating table during positioning. Set the spreadable leg sections so that they are not on top of one another.

3. Select the joint on the remote control. To do this, press the [i24] key for the left joint or the [i25] key for the right joint. Only the display of the selected leg section lights up.
4. Move the joint upward using the [i12] key or downward using the [i13] key.
   A warning tone sounds (high-pitched single tone) as soon as the joints are approaching one another

After a few seconds without pressing any key, it will automatically switch back to the collective adjustment of the joints. The indicators for the [i24] and [i25] keys are lit.

Restrictions:

The setting range of the joints is automatically restricted or blocked in the following situations.

1. The joints cannot be adjusted individually if a closed tabletop section is attached. The closed tabletop section is automatically recognized by the operating table and the functions of the individual joints are locked. The joints can only be adjusted together.
2. Depending on the longitudinal travel, the downwards setting range of the joints may be restricted. If a larger setting range is required, the longitudinal travel needs to be changed.
3. The setting ranges for the normal and inverted patient positions are different (see Chapter 10).
4. The leg section joints are locked once the extension adapter is hooked onto the operating tabletop.

4.10.9 Level position

⚠ CAUTION

Risk to the patient due to the tilted position

- When approaching the level position, patient positions may become more skewed than they were in the initial position. Monitor the patient's position and stop the function before a dangerous situation arises.

1. Adjust the spreadable leg sections so that they are not on top of one another.
2. Arrange the accessory on the operating table in such a manner that it does not collide with another accessories, tabletop sections or the operating table during positioning.
3. Press the [i11] key. You will hear an audible signal when the final level position has been reached. Indicator [i11] on the column keypad lights up. A status message appears in the remote control display.
   A warning tone sounds (high-pitched single tone) as soon as the leg section joints are approaching one another.
4. Manually place the mechanical joints of the tabletop sections in the (horizontal) level position (aligning the gear markings).

4.10.10 Flex down / flex up

The function can only be selected with the remote control.

Flex up:
Press the [i32] key on the remote control.

Flex down:
Press the [i33] key on the remote control.

4.11 Requirements for unlocking, rotating, and moving the operating table

⚠ WARNING

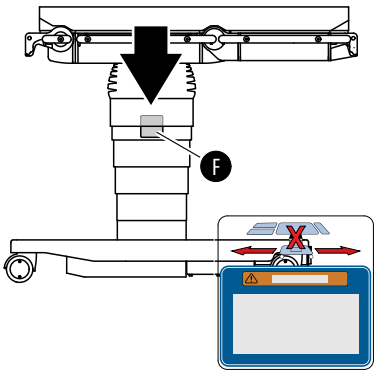
Risk of personal injury when transporting patients due to tipping of the operating table!

- Jacking down, turning and moving the operating table with the incumbent patient is permitted only when the following conditions are met!
- For longer routes or in the case of an operating table with a heavier patient and accessory load, move or turn with two people.

NOTICE

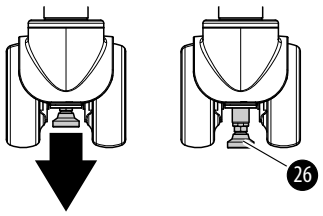
Risk of shearing off the connecting cables

- Before moving the operating table, disconnect the power supply and equipotential bonding cable from the operating table!
- When moving the operating table, do not roll over or crush the power supply cable or equipotential bonding cable.



1. Lower the operating tabletop until the label [F] on the column cladding is hidden (see Chapter 3.7.2).
2. Set the operating tabletop tilt to horizontal (see Chapter 3.7.3).
   When the operating tabletop tilt is greater than +10°/-10°, lowering of the operating table by the operating table software is blocked for safety reasons.
3. Move the longitudinal slide adjustment of the operating tabletop to the level position (see Chapter 3.7.5).
4. Reposition the spreadable leg sections in parallel to the longitudinal direction of the operating table.
5. Fold accessories onto the operating table or remove them from the operating table.

4.12 Locking the operating table (activating the parking brake jacks)



The brake prevents the operating table from rolling away. Feet [26] automatically extend at all four wheels to ensure the operating table maintains a stable position.

⚠ CAUTION

Hazard to the patient

- Locking the operating table while it is being transported is prohibited! First bring the operating table to a halt and then select the jacking up function.

⚠ CAUTION

Risk of personal injury due to crushing

- Do not allow the feet to get caught in the running gear recess when locking the operating table. Note the crush hazard symbol on the running gear!

NOTICE

Crushing hazard for cables on the floor due to leveling plates on floor locks

- Do not position the operating table on or above cables.

1. Press key [i45] until an audible signal sounds.
2. The signal will sound intermittently until the operating table is completely jacked up. The indicator next to key [i45] on the column keypad lights up.

4.13 Unlocking the operating table (releasing the parking brake jacks)

⚠ CAUTION

Hazard to the patient

When jacking down the operating table on an inclined plane, independent movement of the operating table can occur.

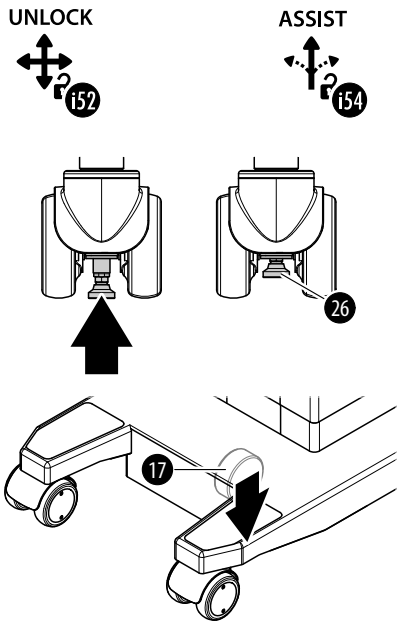
- Securely hold the operating table before releasing the brake.

⚠ CAUTION

Risk of personal injury due to crushing

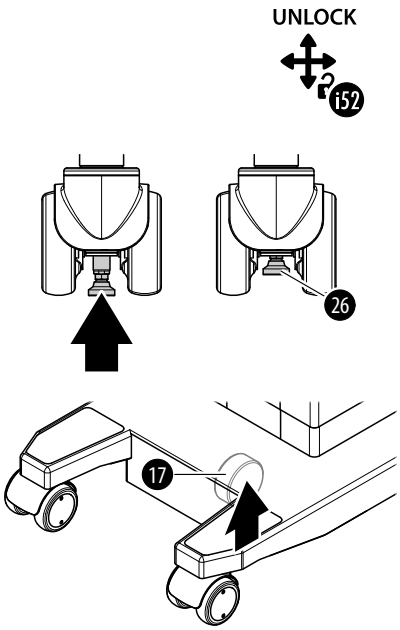
- Do not allow the feet to get caught in the running gear recess when unlocking the operating table. Note the crush hazard symbol on the running gear!

Once the Unlock function has been selected, the floor locks [26] are retracted from all four wheels of the operating table. The operating table is movable.



1. Prepare the operating table according to the conditions on page 68.
2. Press key [i52] or [i54] until an audible signal sounds. The signal will sound intermittently until the operating table jacks are fully retracted and the additional wheel [17] [3] in the middle under the running gear is extended. Depending on the function selected, an indicator on the column keypad lights up next to the button.

4.14 Freewheel



In Freewheel mode, all wheels on the operating table can swivel freely. The operating table can be pushed in any direction.

1. Prepare the operating table according to the requirements on page 68 if it is in the jacked-up position.
2. Press key [i52] until an audible signal sounds.
   The signal will sound intermittently until the operating table jacks [26] [4] are fully retracted and the additional wheel [17] [5] in the middle under the running gear is extended. The indicator next to key [i52] on the column keypad lights up.

3) only when running gear assistance is selected [i54]
4) from the setting for jacked up operating table
5) from the setting for directional travel

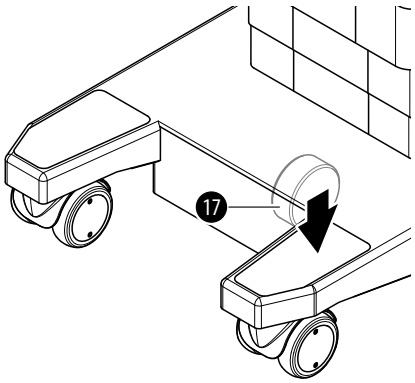
4.15 Running gear assistance (directional travel, turning the operating table)

Running gear assistance supports directional movement or the turning of the operating table on the spot. Transverse travel of the operating table is not possible.

⚠ CAUTION

Risk of personal injury due to crushing

- Do not allow the feet to get caught in the running gear recess when turning or moving the operating table. Note the crush hazard symbol on the running gear!



1. Prepare the operating table according to the requirements on page 68 if it is in the jacked-up position.
2. Press key [i54] until an audible signal sounds.
   The signal will sound intermittently until the additional wheel [17] in the middle under the running gear is extended. The indicator next to key [i54] on the column keypad lights up.
3. The operating table can be turned on the spot or driven at will.

4.16 Traction drive (operating table version MB/MBW)

The operating table traction drive, variant MB/MBW, is located on the additional wheel in the center under the running gear. It assists the user when moving the operating table, particularly with heavy patients. For safety reasons, the traction drive can only be controlled using the wired remote control. The speed of the traction drive can be set individually (see Chapter 3.19).

⚠ CAUTION

Hazard to the patient

- Monitoring and controlling the driving movement of the operating table. A defect or malfunction in the running gear electronics can result in brake support failure. If necessary, apply the operating table brakes manually (by hand).

⚠ CAUTION

Risk of personal injury due to crushing

- Do not allow the feet to get caught in the running gear recess when moving the operating table. Note the crush hazard symbol on the running gear!

NOTICE

Risk of damage to goods due to collisions

- The drive unit only supports directional movement. The operator must manually ("by hand") steer the operating table to prevent collisions.

1. Setting the running gear assistance (see Chapter 4.15). The travel direction keys are visible on the remote control.
2. Press and hold the button [i47] or key [i48] on the remote control until the operating table reaches the target destination.
   The operating table starts to move slowly in the direction required. It will achieve its maximum speed after approximately 2 seconds.

The operating table may not be pushed actively while in the driving mode. The speed in driving mode will be automatically regulated by the motor brake. Actively pushing will increase the brake resistance and can damage the electronics on the operating table.

4.17 Patient positioning

⚠ CAUTION

Hazard to the patient

- The patient must lie centered, completely and securely on the operating tabletop, so that the weight is evenly distributed over the operating tabletop. The patient's arms or legs must not extend beyond the end of the operating tabletop in the longitudinal direction.

⚠ CAUTION

Hazard to the patient

Incorrect loading can break the tabletop sections off the operating tabletop or cause the operating table to tip over.

- Do not climb onto or down from the operating table over the back sections or attached tabletop sections.
- Patients may only get on or off in the column area via the seat section.
- Do not sit on the back section or other attached tabletop sections.

Cover the operating table with a sterile material prior to use.

4.18 Decommissioning

For temporary or permanent decommissioning of the operating table, disconnect it from the power supply and secure it against being started back up.

For temporary decommissioning, continue to charge the batteries regularly to ensure that battery life is maintained. Baxter recommends a charging interval of 1 month. Store the operating table and corresponding tabletop sections in a room designated for this purpose. Disconnect the power cable from the room's power supply and the operating table after charging the batteries is complete.

For permanent decommissioning, observe the information in Chapter 9.

5 Cleaning and disinfection

This chapter describes in detail how the operating table must be cleaned and subsequently disinfected after each contact.

A distinction is made between cleaning and disinfection. Cleaning is carried out with water and a suitable cleaning agent. During cleaning, visible and invisible contamination is removed. Disinfection is carried out using a suitable disinfectant agent and disinfection method. The disinfection kills or inactivates pathogens, thus infection is no longer probable.

Baxter has verified the procedures described in this section to confirm their effectiveness in principle. Other methods may be used for cleaning and disinfection, although their effectiveness must be checked by the operator.

The operator must ensure that the procedures for cleaning and disinfecting the operating table are hygienically effective and comply with the specifications of the medical facility, as well as the applicable regulations of the state or country.

5.1 Cleaning and disinfecting agents

⚠ CAUTION

Cleaning and disinfecting agents can cause rashes or irritation if they come into contact with the skin.

- Follow the instructions on the product label or in the safety data sheet included with the product used.
- Wear personal safety equipment (note the manufacturer's specifications).

Cleaning

Do not use any abrasive cleaning products.

Disinfecting

Disinfectants based on the following active substance groups or a combination of these active substance groups with quaternary compounds:

- aldehyde
- alcohols
- alkylamines

Disinfectants based on halogens and peroxide compounds are not suitable.

Do not use any abrasive products for disinfection.

Baxter recommends the following disinfectants:

Manufacturer	Product designation
Ecolab Deutschland GmbH	Incidin™ Plus
B. Braun Melsungen AG	Melsitt®
BODE Chemie GmbH	Bacillol® plus

5.2 Summary of cleaning and disinfection

Cleaning and subsequent disinfection must be performed promptly after any contact with the operating table.

The scope, timing and procedure used for cleaning and disinfection is determined by the operator.

In these instructions for use, Baxter describes how the operating table can be manually cleaned and disinfected.

Before each use, the user must ensure that the operating table has been cleaned and disinfected.

Before the operating table is used for the first time, it must undergo cleaning and disinfection.

Ensure adequate wetting of the surfaces with each pass. Comply with the manufacturer's specifications at all times regarding the concentration of the cleaning agents and disinfectants. The concentration of the disinfectant affects the dwell time. The disinfectant used must be allowed to work undisturbed. Do not wipe off.

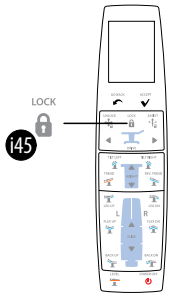
Cleaning the operating table with a high-pressure cleaner, steam cleaner or water jet is prohibited.

The operating table must not be cleaned mechanically. Cleaning is carried out by hand using suitable utensils.

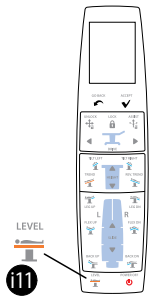
The operating table must not be dried by the direct effect of heat.

Lift, carry or move the tabletop sections with care. Work with an additional person if necessary. Never remove multiple tabletop sections or heavy, unwieldy accessories from the operating table at the same time.

5.3 Preparing the operating table

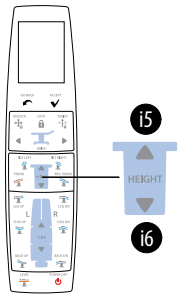


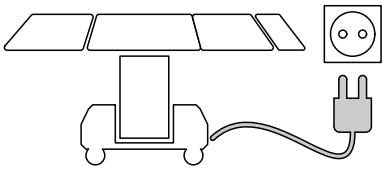
1. Activate the parking brake on the operating table with the [i45] key.
2. Remove all accessories from the operating table, such as equipment on the running gear or accessories on the side rails. Note the manufacturer's instructions for the various products.
   The tabletop sections remain attached to the operating table for now.
3. Remove all towels or drapes from the operating table.



4. Move the operating table to the level position with the [i11] key.
   Press the key until the operating table stops automatically. An audible signal then sounds.

5. Move adjustable tabletop sections to a horizontal position by hand.
6. Adjust the height of the operating table with the [i5] or [i6] key so that the work does not strain your back.

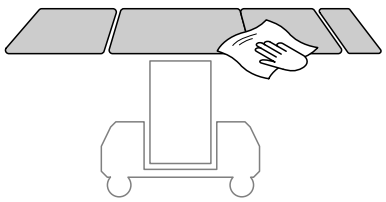




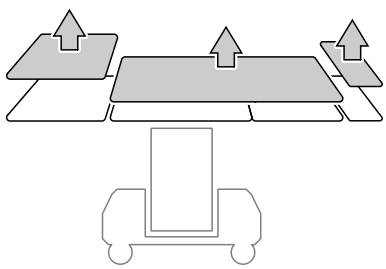
7. Pull the mains power cable plug from the socket.
8. Unplug the connector of the equipotential bonding line.

5.4 Cleaning the operating table

1. Prepare the operating table as described in Section 5.3. Wear the required personal safety equipment.
2. Remove coarse dirt from the operating table using suitable means.
3. Prepare the cleaning solution. Note the concentration of the cleaning agent.
4. Prepare a resting surface for the pads and tabletop sections. Disinfect the resting surface. Note the disinfectant's dwell time.



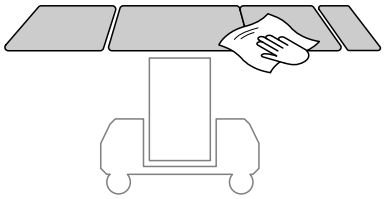
5. Wipe all residues from the pads on the operating tabletop in sequence. First wipe the top and then the sides of the pads. The pads must be visibly clean.



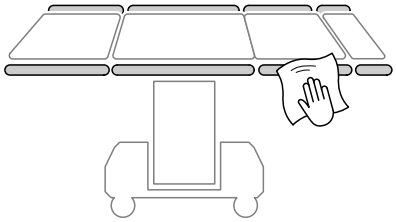
6. Once the pads are dry, remove them from the operating table and place them with the clean side facing downward on the prepared resting surface.

7. Clean all residues from the uppermost side of the pad. Wipe the sides of the pad again.

8. Leave the pads on the resting surface until dry. Also ensure that the Velcro tape is completely dry.

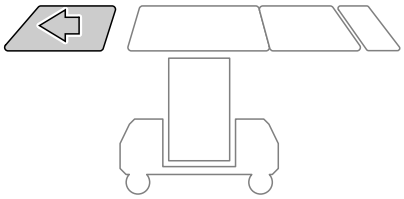


9. Wipe the surface of the operating tabletop and the individual tabletop sections so there are no residues.



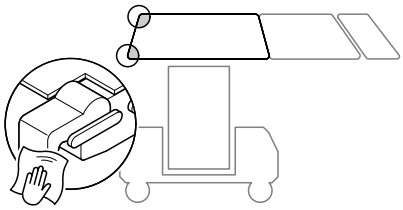
10. Wipe the side rails on the operating tabletop and the tabletop sections so there are no residues.

Once the upper surface of the tabletop sections is visibly dry, the tabletop sections can be removed one by one.

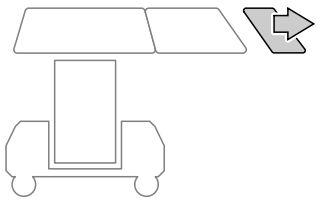


11. Remove the individual tabletop section at the foot end of the operating table and place it with the clean, dry side facing downward on the prepared resting surface.

12. Clean the uppermost side and the hook couplings of the tabletop section so there are no residues.

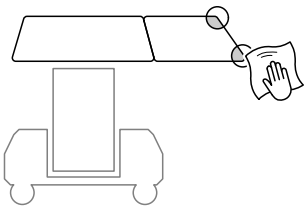


13. Move the hook couplings on the operating table all the way up and clean them to remove any residue. Then move the hook couplings all the way down and clean again so there are no residues.

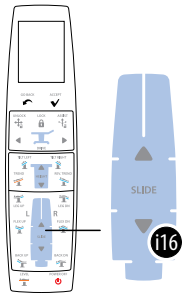


14. Remove the individual tabletop section at the head end of the operating table and place it with the clean, dry side facing downwards on the prepared resting surface.

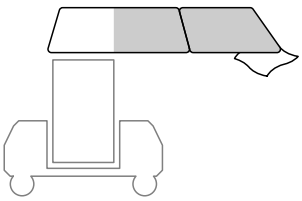
15. Clean the uppermost side and the hook couplings of the tabletop section so there are no residues.



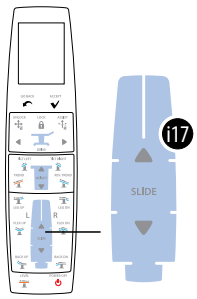
16. Clean the hook couplings at the head end of the operating table to remove all residues.
Move the adjustable hook couplings all the way up and clean them to remove all residues. Then move the hook couplings all the way down and clean again so there are no residues.



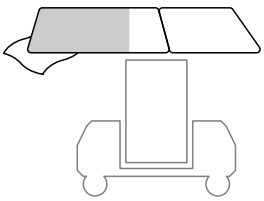
17. Extend the operating tabletop with the [i16] key all the way to the head end.



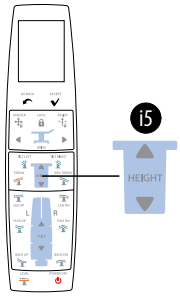
18. Clean the extended operating tabletop from underneath so there are no residues.



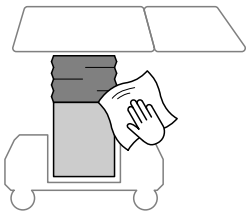
19. Extend the operating tabletop with the [i17] key all the way to the foot end.



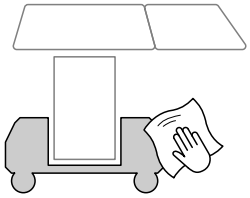
20. Clean the extended operating tabletop from underneath so there are no residues.



21. Move the operating tabletop with the [i5] key all the way up.



22. Clean the bellows and sheet metal casing from all sides so there are no residues.



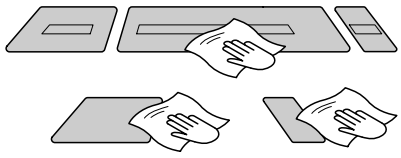
23. Clean the running gear thoroughly from above so there are no residues.

24. Visually inspect the surfaces of the entire operating table. The surfaces must be free of residue and any visible contamination. Clean any surfaces with contamination still visible again.

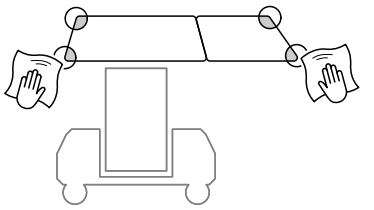
Only when the operating table, all pads and tabletop sections are completely dry can the disinfection process begin.

5.5 Disinfecting the operating table

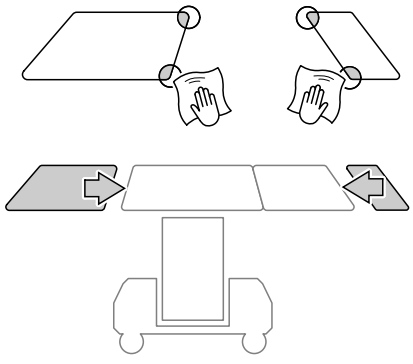
1. Prepare a suitable disinfectant and disinfection method. During disinfection, ensure that all surfaces are adequately moistened at all times.
2. Prepare an additional resting surface for the pads. Disinfect the resting surface. Note the disinfectant's dwell time.
3. The pads and tabletop sections are still on the disinfected resting surface. Disinfect the uppermost side of the pad and tabletop sections.



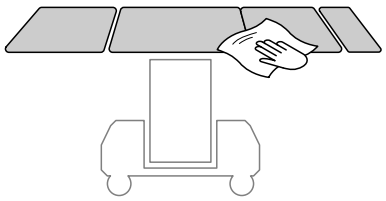
4. Disinfect all hook couplings on the operating table. Move the adjustable hook couplings all the way up and disinfect them. Then move the coupling points all the way down and disinfect them again.



5. Disinfect the coupling points on the tabletop sections.



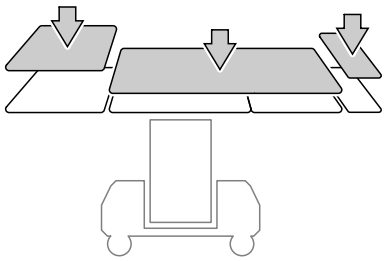
6. Once the coupling points are dry, attach the tabletop sections to the operating table.



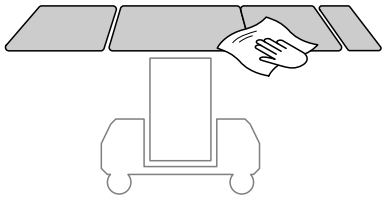
7. Disinfect the surface of the operating table, including the tabletop sections. Allow the surface to dry.

8. Once the underside of the pads is dry, place the pads with the disinfected side facing downward on the additionally disinfected resting surface.

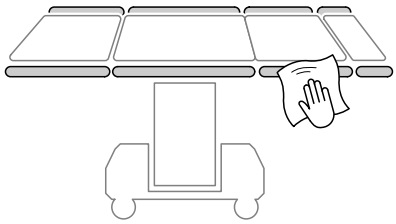
9. Disinfect the uppermost side of the pad.



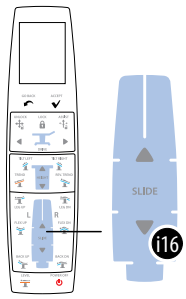
10. Attach the pad to the dried tabletop sections on the operating table.



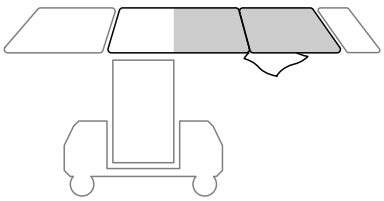
11. Disinfect all pad edges again.



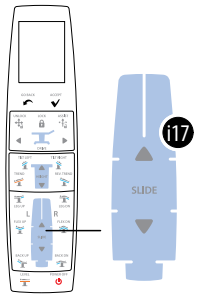
12. Disinfect the side rails.



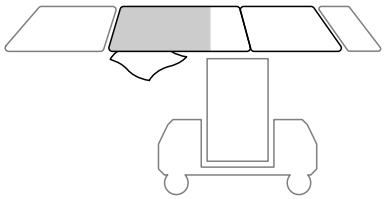
13. Extend the operating tabletop with the [i16] key all the way to the head end.



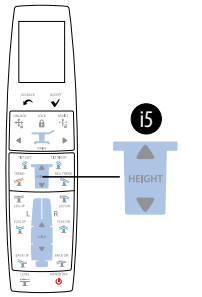
14. Disinfect the extended operating tabletop from underneath.



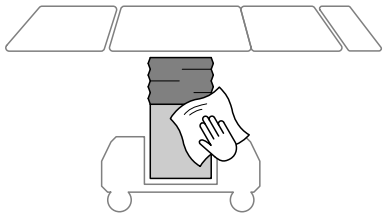
15. Extend the operating tabletop with the [i17] key all the way to the foot end.



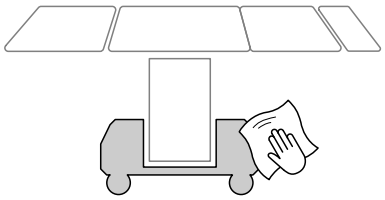
16. Disinfect the extended operating tabletop from underneath.



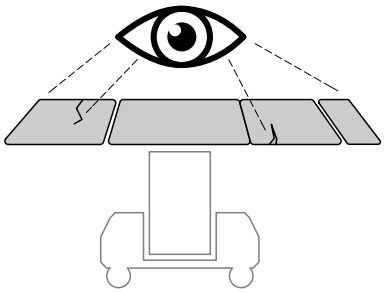
17. Move the operating tabletop with the [i5] key all the way up.



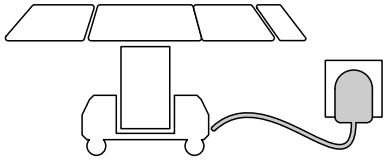
18. Disinfect the bellows and panel cladding from all sides.



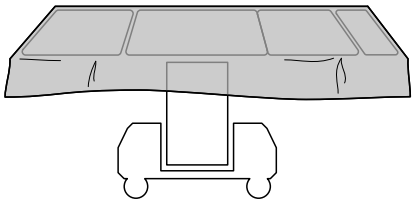
19. Disinfect the running gear from above.



20. Check the pad for cracks or other visible damage. Damaged pads must not be reused.



21. Plug the plug on the mains power cable back in the socket.
22. Reconnect the equipotential bonding line.



23. Protect the operating table from contamination using suitable materials.

6 Troubleshooting

If an error recurs or cannot be resolved, take the device out of service and inform the Technical Customer Service of Baxter.

In case of an error during the operation of the operating table, the user might be prompted to restart the operating table. The error status will be corrected through the restart. If the error is reported again after the restart, inform the technical customer service.

Error	**Possible cause**	**Correction**
No function when pressing a key	Operating table not switched on	Press the power key on the column keypad
Operating table cannot be switched on	Operating table discharged	Operate the operating table with mains power supply and recharge the column batteries
No response when using the column keypad	Key lock is active	Release the keypad or use a two-key control (Press the ON button and simultaneously press the desired function on the column keypad)
No movement when key is pressed, instead an audible error signal sounds	Function is either not possible or not permitted at that time	–
No response when pushing key, the battery status indicator on the column keypad flashes	Operating table discharged	Operate the operating table with mains power supply and recharge the column batteries
Operating table cannot be charged, the battery status indicator does not flash	Either the control electronics, mains power cable or input fuse (2x 10 AT) is defective	Contact Technical Customer Service
Operating table cannot be run on power supply, external power supply indicator does not light up	The mains power supply cable is defective	Contact Technical Customer Service
Operating table cannot be charged, external power supply indicator does not light up	Mains input on the operating table is defective	Contact Technical Customer Service

Error	Possible cause	Correction
Operating table cannot be charged, the battery status indicator flashes	The operating table or the battery is defective	Contact Technical Customer Service
(Reverse) Trendelenburg position cannot be fully attained	The tilt angle setting is too high	Reduce the tilt
Tilt position cannot be fully attained	The (reverse) Trendelenburg angle setting is too high	Reduce the (reverse) Trendelenburg setting
Tilt cannot be adjusted when the operating table is unlocked (no brakes applied).	OK - for safety reasons only the functions for driving mode are active, all other operating table functions are locked	Lock operating table
Operating table cannot be unlocked	Tilt not in horizontal position (< 10°) and/or	Set tilt to horizontal
	the longitudinal travel is not in level position and/or	Set the longitudinal travel to the level position
	Lift has not been lowered far enough	Lower the tabletop until the label on the column cladding is fully hidden
The operating table drive mode does not operate with wired remote control	Power cable connected to the operating table	Disconnect the operating table from the line power
Leg sections cannot be adjusted far enough down	Longitudinal travel too far toward the head end	Adjust longitudinal travel toward the foot end
Back section cannot be adjusted far enough down	Longitudinal travel too far toward the foot end	Adjust longitudinal travel toward the head end
Audible signal when moving the tabletop	Sensor error	Contact Technical Customer Service
Audible signal while leveling if the leg sections are approaching one another	Possible risk of collision (signal is warning)	OK (not an error)

7 Maintenance

⚠ WARNING

Do not carry out any maintenance work during surgery or while the device is in use.

The maintenance intervals for the operating table are as follows:

- First maintenance in the 2nd year
- Second maintenance in the 4th year
- Annual maintenance from the 5th year onwards

The cladding protection is maintenance-free. In the event of damage to the cladding protection, it must be replaced.

Product maintenance must be carried out by qualified service technicians only. The contact details of service technicians can be obtained from the Technical Customer Service at Baxter.

Baxter recommends concluding a maintenance agreement, so that maintenance can be carried out promptly and reliably.

To ensure safe use of the operating table, Technical Customer Service must be called immediately if there are leaks in the running gear hydraulics system (loss of hydraulic fluid).

8 Repair

⚠ WARNING

Do not carry out any maintenance work during surgery or while the device is in use.

The products must be repaired only by qualified service technicians. The contact details of service technicians can be obtained from the Technical Customer Service at Baxter.

9 Disposal

Within the European Union, the product is subject to Directive 2012/19/EU on Waste Electrical and Electronic Equipment and complies with the requirements in Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment, amended by the Commission delegated directive 2015/863 of 31 March 2015 as regards the list of restricted substances (RoHS). The operating table may not be disposed of via municipal collection points for waste electrical devices.

In countries outside the European Union (EU), the legal regulations applicable in the respective country must be observed.

If you have any questions about proper disposal, please contact the Technical Customer Service at Baxter, your local dealer, or the appropriate national authority.

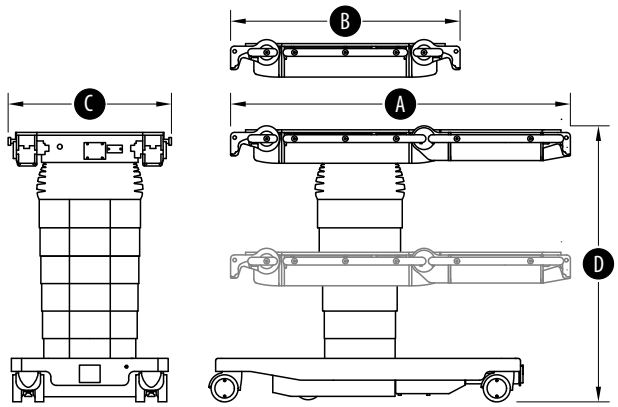
In addition to regional disposal, faulty or obsolete products can be returned to Baxter. Baxter will ensure environmentally sound disposal. Detailed information about returns is provided by the Technical Customer Service at Baxter.

When the operating table is taken out of operation, the batteries must be removed from the operating table by a qualified service technician. Once removed, send the batteries to the Technical Customer Service at Baxter in suitable packaging. Attention: returns must be declared as hazardous materials of class 9/ UN3480. Baxter will arrange for environmentally friendly disposal of the batteries.

10 Technical data

10.1 Operating table

Dimensions



Length of the operating tabletop (from one hook coupling to the next)	Operating table with two-part operating tabletop: 1248 mm / 49.13 inch [A] Operating table with one-part operating tabletop: 843 mm / 33.19 inch [B]
Width [C] of the operating tabletop with side rails according to European standard	601 mm / 23.66 inch
Width [C] with side rails according to United States standard	600 mm / 23.62 inch
Width [C] with side rails according to Japanese standard	599 mm / 23.58 inch
Height [D] of the operating table (without pads)	59 cm to 114 cm (tolerance ±1 cm) / 23.23 inch to 44.88 inch (tolerance ±0.39 inch)
Column protection (length x width x height)	(403 x 452 x 60) mm / (15.87 x 17.80 x 2.36) inch

Weight/load

Dead weight of operating table with two-piece operating tabletop	– Operating table with power drive unit (MB/MBW): 244 kg / 538 lbs – Operating table without power drive unit: 240 kg / 529 lbs
Dead weight of operating table with one-piece operating tabletop	227 kg / 500 lbs
Dead weight of the column cladding protection	2.5 kg / 5.5 lbs
Maximum operating table load	450 kg / 992 lbs (depending on the operating table equipment and the patient weight)

Weight/load

Loading of side rail	Longitudinal axis: each 100 Nm / each 73 ft·lb Transverse axis: each 150 Nm / each 110 ft·lb
Outer packaging	Cardboard, wood, plastic bag and metal parts: 80 kg / 176 lbs

Setting ranges

Lift	– 55 cm (tolerance ±1 cm) / 2.17 inch (tolerance ±0.39 inch) – Adjustment speed 2 cm/s (0.79 inch)
Longitudinal slide	– 46 cm (tolerance ±1 cm) / 18.11 inch (tolerance ±0.39 inch) – Head end 18 cm (tolerance ±1 cm) / 7.09 inch (tolerance ±0.39 inch) – Foot end 28 cm (tolerance ±1 cm) / 11.02 inch (tolerance ±0.39 inch) – Adjustment speed 3 cm/s (1.18 inch)
Trendelenburg/Reverse Trendelenburg (inclination about the transverse axis)	45° / 45°
Tilt (inclination about the longitudinal axis)	30° to the left / 30° to the right
Leg section joints (angles relative to the seat section)	90° upward / 105° downward
Back section joints (angles relative to the seat section)	Operating table with two-part operating tabletop: 90° upward / 45° downward Operating table with one-part operating tabletop: 90° upward / 90° downward

Electrical parameters

Internal power supply	IPS, 2 rechargeable batteries, 40.7 V/4.8 Ah
External power supply	100 V–230 V~, 50 Hz/60 Hz 240 V~, 50 Hz
Power consumption	Max. 700 VA
Operating mode	S6 - Continuous operation with intermittent load (DBAB) 2 min ON, 8 min OFF
Power plug	Power cord as per country standards

Classification

Operating table protection classification	I Device with internal power supply, IPS
Level of protection against electrical shock for the entire operating table	Type B applied part
Degree of protection from water penetration	IPX4 (all-round splash protection)

Radio transmission
(transmission only for MBW operating table version)

Transmission frequency band	2.405 GHz to 2.480 GHz
Modulation type	O-QPSK (Offset Quadrature Phase Shift Keying)
HF bandwidth	2 MHz (IEEE 802.15.4)
Output power (Watt EIRP)	0.001 W
Emission designation	2M40GXD

Imaging

Aluminum equivalent of the radiolucent area	≤ 2.3 mm / ≤ 0.09 inch measured with an X-ray radiation voltage of 100 kV and a half-value layer thickness of 3.6 mm / 0.14 inch in aluminum

Further information

Date of manufacture	See device label on the product

10.2 SVHC (Substance of very high concern)

According to Article 33 of the REACH regulation (EC) no. 1907/2006, the products may contain components with reportable substances in concentrations exceeding 0.1 mass percent. A list of affected components will be provided by Baxter on request. The list can also be viewed online at ois.hillrom.com/ois.

10.3 Electrical connection

Only cables provided and sold by Baxter which are intended for the operating table may be connected to the operating table. Modification of the cables if prohibited. Only original cables by Baxter may be used with the operating table.

The following cables may be connected to the operating table:

- Mains connection cable (in scope of delivery of the operating table)
- Connection cable of the remote control
  The cable is permanently connected to the remote control.
- Connection cable of the foot control
  The cable is permanently connected to the foot control.
- Equipotential bonding cable

Cables not manufactured by Baxter or cables of other accessories may produce greater electrical and electromagnetic interference levels or reduce the interference immunity of the operating table.

10.4 Electromagnetic compatibility

Notice: The operating table may not be used in direct proximity to any other devices. If this is required, the operating table must be continually monitored to ensure its proper operation under these conditions.

The operating table may only be operated with the cables supplied with the product. The use of cables other than those specified may result in increased transmission or reduced interference immunity of the TruSystem 7000 operating table.

The properties of this device, determined according to its emissions, allow for its use in the industrial sector and in hospitals (CISPR 11, Class A). When used in domestic situations (for which Class B is normally required according to CISPR 11), this device may not provide adequate protection from radio services.

Table 1 according to IEC 60601-1-2:2014		
Guidelines and manufacturer's declaration – electromagnetic interference		
The TruSystem 7000 operating table is intended for use in the electromagnetic environments as specified below. The customer or user of the aforementioned operating table must ensure that it is operated in an environments as described.		
Measurement of interference emissions	Compliance	Electromagnetic environment – guidelines
HF emissions in accordance with CISPR 11	Group 1	The TruSystem 7000 operating table uses exclusively HF energy for its internal FUNCTIONS. Its HF emission is therefore very low and interference with adjacent devices is unlikely to happen.
HF emissions in accordance with CISPR 11	Class A	The TruSystem 7000 operating table is suitable for use in establishments other than domestic and those connected directly to the PUBLIC LOW-VOLTAGE NETWORK that supplies buildings used for domestic purposes.
Harmonic Emissions as per IEC 61000-3-2	Class A	
Voltage fluctuation/flicker emissions in accordance with IEC 61000-3-3	fulfilled	

Table 2 according to IEC 60601-1-2:2014			
Guidelines and manufacturer's declaration – electromagnetic immunity			
The TruSystem 7000 operating table is intended for use in the electromagnetic environments as specified below. The customer or user of the aforementioned operating table must ensure that it is operated in an environments as described.			
Immunity testing	EN/IEC 60601-1-2 testing level	Compliance level	Electromagnetic environment – guidelines
Static electricity discharge (ESD) according to EN/ IEC 61000-4-2	±8 kV contact discharge ±2 kV, ±4 kV, ±8 kV, ±15 kV air discharge	±8 kV contact discharge ±2 kV, ±4 kV, ±8 kV, ±15 kV air discharge	Flooring should be made of wood or concrete or have ceramic tiles. If a floor is covered with synthetic material, the relative humidity must be at least 30%.
Electrical fast transient disturbances/bursts in accordance with EN/IEC 61000-4-4	±2 kV for mains power cables 100 kHz repeat frequency	±2 kV for mains power cables 100 kHz repeat frequency	Mains power quality should correspond to a typical commercial or hospital environment.

<table>
<tr><th colspan="4">Table 2 according to IEC 60601-1-2:2014</th></tr>
<tr><td colspan="4">Guidelines and manufacturer's declaration – electromagnetic immunity</td></tr>
<tr><td colspan="4">The TruSystem 7000 operating table is intended for use in the electromagnetic environments as specified below. The customer or user of the aforementioned operating table must ensure that it is operated in an environments as described.</td></tr>
<tr><td>Immunity testing</td><td>EN/IEC 60601-1-2 testing level</td><td>Compliance level</td><td>Electromagnetic environment – guidelines</td></tr>
<tr><td>Impulse voltages (surges) in accordance with EN/IEC 61000-4-5</td><td>±0,5 kV, ±1 kV line to line
±0.5 kV, ±1 kV, ±2 kV line to earth</td><td>±0,5 kV, ±1 kV line to line
±0.5 kV, ±1 kV, ±2 kV line to earth</td><td>Mains power quality should correspond to a typical commercial or hospital environment.</td></tr>
<tr><td rowspan="4">Voltage dips, short interruptions and voltage variations on power supply input lines pursuant to EN/IEC 61000-4-11</td><td>0 % U_T; 0.5 cycle[a)]</td><td>0 % U_T; 0.5 cycle[a)]</td><td rowspan="4">Mains power quality should be that of a typical commercial or hospital environment. If the user of the TruSystem 7000 operating table requires continued operation, even during interruptions of the power supply, then it is recommended to connect the TruSystem 7000 operating table to an uninterrupted power supply or a battery.</td></tr>
<tr><td>0 % U_T; 1 cycle</td><td>0 % U_T; 1 cycle</td></tr>
<tr><td>70% U_T; 25/30 cycles[b)]</td><td>70% U_T; 25/30 cycles[b)]</td></tr>
<tr><td>0 % U_T;
250/300 cycles[b)]</td><td>0 % U_T;
250/300 cycles[b)]</td></tr>
<tr><td>Magnetic field at supply frequency (50/60 Hz) in accordance with EN/IEC 61000-4-8</td><td>30 A/m</td><td>30 A/m</td><td>Magnetic fields for the network frequency should comply with values commonly found in commercial and hospital environments.</td></tr>
<tr><td>a)</td><td colspan="3">at 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315°</td></tr>
<tr><td>b)</td><td colspan="3">at 0°</td></tr>
<tr><td>Comment</td><td colspan="3">U_T is the AC mains voltage prior to applying the test level.</td></tr>
</table>

Attention: Distance for portable RF communications equipment and its peripherals

Do not use portable RF communications equipment (including peripherals such as an antenna cable and external antennas) at a distance of less than 30 cm (12 in) from the TruSystem 7000 operating table, including its cables that have been specified by the manufacturer. Otherwise, the functionality of the system may be impaired.

The TruSystem 7000 operating table satisfies the following EN/ EC 60601-1-2 test levels with the specified compliance levels; the customer or user of the TruSystem 7000 lighting system should ensure that it is being used in such an environment.		
Immunity testing	EN/IEC 60601-1-2 testing level	Compliance level
Conducted HF disturbance variables in accordance with EN/IEC 61000-4-6	3 V 0.15 MHz - 80 MHz 6 V in the ISM band between 0.15 MHz and 80 MHz [a)] 80% AM at 1 kHz	3 V 0.15 MHz - 80 MHz 6 V in the ISM band between 0.15 MHz and 80 MHz [a)] 80% AM at 1 kHz
Radiated HF disturbance in accordance with EN/ IEC 61000-4-3	3 V/m 80 MHz to 2.7 GHz 80% AM at 1 kHz	3 V/m 80 MHz to 2.7 GHz 80% AM at 1 kHz
a)	The ISM bands (ISM = industrial, scientific and medical) between 0.15 MHz and 80 MHz are 6.765 MHz to 6.795 MHz; 13.553 MHz to 13.567 MHz; 26.957 MHz to 27.283 MHz and 40.66 MHz to 40.70 MHz. The amateur radio bands between 0.15 MHz and 80 MHz are 1.8 MHz to 2.0 MHz; 3.5 MHz to 4.0 MHz; 5.3 MHz to 5.4 MHz, 7 MHz to 7.3 MHz, 10.1 MHz to 10.15 MHz, 14 MHz to 14.2 MHz, 18.07 MHz to 18.17 MHz, 21.0 MHz to 21.4 MHz, 24.89 MHz to 24.99 MHz, 28.0 MHz to 29.7 MHz, and 50.0 MHz to 54.0 MHz.	

Immunity levels for RF fields of wireless communications equipment
Table: Special frequencies

Test frequency (MHz)	Band (MHz)	Service	Modulation	Max. power (W)	Distance (m)	Immunity level (V/m)
385	380-390	TETRA 400	Pulse modulation 18 Hz	1.8	0.3	27
450	430-470	GMRS 460 FRS 460	FM pulse modulation ±5 kHz variation 1 kHz sine	2	0.3	28
710 745 780	704-787	LTE band 13, 17	Pulse modulation 217 Hz	0.2	0.3	9
810 870 930	800-960	GSM 800/900 TETRA 800 iDEN 820 CDMA 850 LTE band 5	Pulse modulation 18 Hz	2	0.3	28
1720 1845 1970	1700-1990	GSM 1800 CDMA 1900 GSM 1900 DECT LTE band 1, 3, 4, 25 UMTS	Pulse modulation 217 Hz	2	0.3	28

Test frequency (MHz)	Band (MHz)	Service	Modulation	Max. power (W)	Distance (m)	Immunity level (V/m)
2450	2400-2570	Bluetooth WLAN 802.11 b/g/n RFID 2450 LTE band 7	Pulse modulation 217 Hz	2	0.3	28
5240	5100-5800	WLAN 802.11 a/n	Pulse modulation 217 Hz	0.2	0.3	9
5500						
5785						

Controlled HF disturbance variables

Recommended separation distances between portable and mobile HF communication devices and the TruSystem 7000 operating table			
The TruSystem 7000 operating table is intended for use in an electromagnetic environment where HF disturbance variables are controlled. The customer or user of the TruSystem 7000 operating table can help to prevent electromagnetic interference by complying with the minimum distances between portable and mobile HF telecommunications equipment (transmitters) and the TruSystem 7000 operating table, as recommended below in accordance with the communications equipment's maximum output.			
Nominal transmitter power W	Separation distance according to transmission frequency m		
	150 kHz to 80 MHz D=1.2√P	80 MHz to 800 MHz D=1.2√P	800 MHz to 2.5 GHz D=2.3√P
0.01	0.12	0.12	0.23
0.1	0.38	0.38	0.73
1	1.2	1.2	2.3
10	3.8	3.8	7.3
100	12	12	23
For transmitters with a nominal power not found in the table above, the distance can be calculated using the equation for the respective column, where P is the nominal power of the transmitter in watts (W) according to the transmitter manufacturer's data.			
Note 1	To calculate the recommended separation distance of transmitters in the frequency range from 80 MHz to 2.5 GHz, an additional factor of 10/3 is used in order to reduce the likelihood that a mobile / portable communications device unintentionally brought into the PATIENT area will cause any interference.		
Note 2	These guidelines might not be applicable in all situations. The propagation of electric waves is influenced by the absorptions and reflections of buildings, objects and human beings.		

EMC-relevant wireless properties of the operating table

Notice: Interference caused by other devices

The TruSystem 7000 operating table may be subject to interference from other devices, even if these devices comply with the applicable CISPR-defined emission requirements.

11 Product certification

11.1 European Union

The operating table is a Class I medical device according to Regulation 2017/745/EU concerning medical devices, and is compliant with the version of the regulation currently in force at the time of product sale. Baxter declares the conformity of the operating table with the essential safety and performance requirements according to Regulation 2017/745/EU concerning medical devices, Annex I. A conformity assessment procedure required for Class I devices shall be carried out in accordance with Article 52 (7), taking into account a quality management system in accordance with Annex IX, Chapter 1. The manufacturer certifies conformity with the CE marking.

11.2 USA/Canada

ETL mark: Intertek tested the product for the USA and Canada. ETL classification regarding risk of electric shock and fire, as well as mechanical hazard in accordance with ULSTD 60601-1; CAN/CSA STD C22.2 NO.60601-1.

11.3 Ukraine

Це маркування підтверджуЕ, що вироби, промарковані знаком відповідності, пройшли всі необхідні процедури підтвердження відповідності та підкоряються визначенимтехнічним керівництвам України.

Відповідність: Технічний регламент щодо медичних виробів, затверджений Постановою Кабінету міністрів України від 02 жовтня 2013 р. N° 753

11.4 Serbia

Certificate / registration number 515-02-03704-16-001

11.5 EAEU

This product has passed all conformity assessment procedures (proof) specified in technical regulations as part of regular customs procedures for assessment of conformity (proof), and furthermore complies with all industrial regulations. It is approved in the following countries: Armenia, Belarus, Kazakhstan, Kyrgyzstan, Russia.

12 Radio license (only for MBW operating table version)

Radio license information is listed in Document 7990101 (Radio information).

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Baxter

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