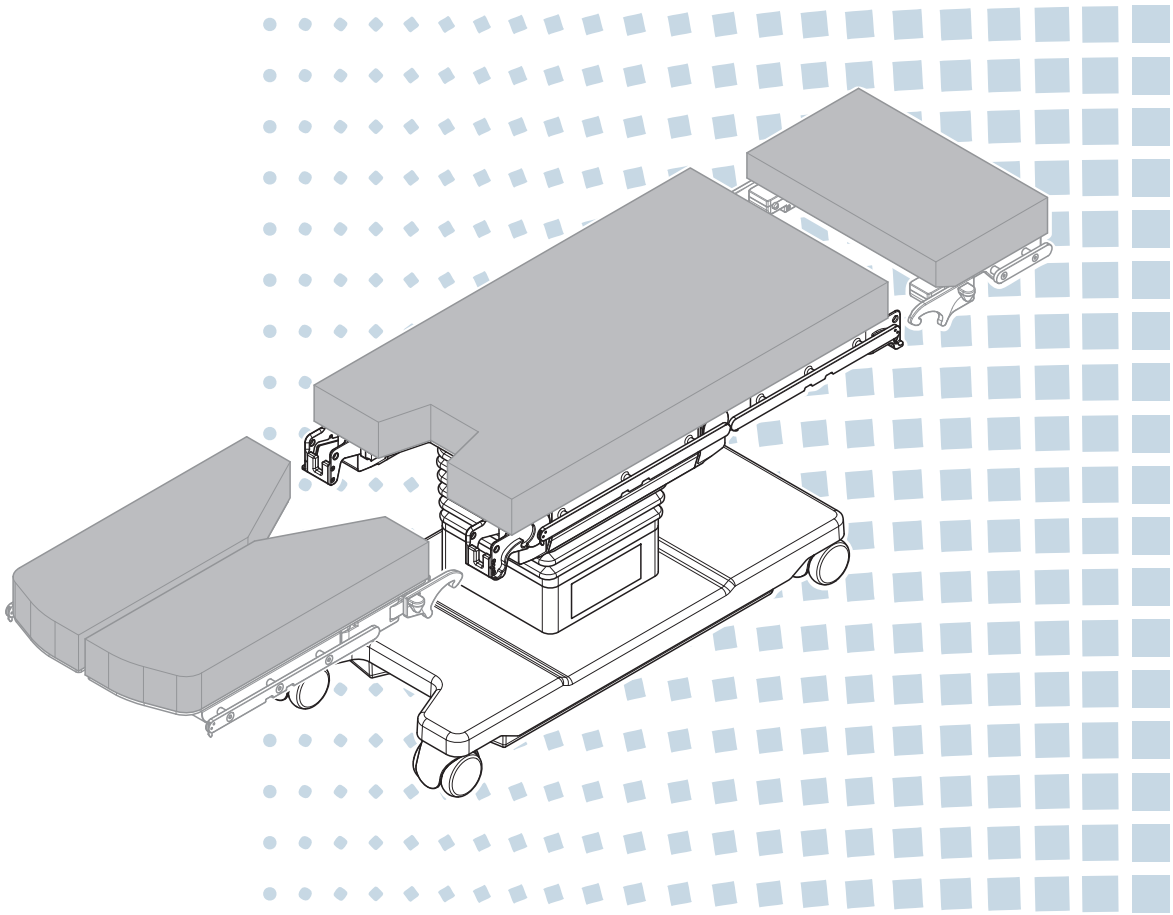
Hillrom™

Instructions for use

PST 500 U

Mobile operating table



Read the instruction manual carefully before using the product and keep it safe for future reference.

ENGLISH
en-US

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Manufacturer

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Trumpf Medizin Systeme GmbH + Co. KG is a company within the Hill-Rom Holdings Group. The manufacturer is hereinafter referred to as Trumpf Medizin Systeme.

Technical Customer Service

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

Information about the document

Original instruction manual

Document number: 4990824
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This instruction manual is 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	
PST 500 U	4080300

Supporting documents

The operating table can be custom assembled using various Trumpf Medizin Systeme products. The instructions for use of all the products used then apply. Section 2.1 lists the compatible products along with their associated instructions for use.

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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 instruction manual is part of the product and must be complied with.
- Read the instruction manual carefully and fully before using the product. The instruction manual must be thoroughly understood. In the event of uncertainty or questions about the product, please contact the manufacturer.
- The instruction manual must also be handed over in the event of a change of location or personnel.
- The instruction manual must be kept where the product is used.
- The instruction manual must be easily accessible in full to all users of the product at all times.
- The figures in the instruction manual 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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1 Usage specifications

1.1 Normal use

Normal use entails the following:

- The positioning and task-specific transport of a patient before/during/after surgery within a specifically designated operating theatre or surgical ward. The patient is positioned on the PST 500 operating table in accordance with general medical and hospital practice and doctrine, as described for example in the technical literature.
- Cleaning the operating table surfaces and pads with suitable cleaning agents according to the directives of the medical facility.
- Positioning of the operating table and the associated tabletop sections in a room intended for that purpose.
- Regular maintenance of the operating table in accordance with the defined maintenance intervals by qualified service technicians.
- Initial operation by the operator.
- Repair and disposal of the operating table must be performed by qualified service technicians as required.

Normal use includes sections 1.2, 1.4, 1.5, 1.6, and 1.7.

1.2 Intended purpose

The medical device PST 500 is a mobile and configurable operating table, which is intended to be used in combination with specific tabletop sections, pads and accessories for patient positioning on the operating table during surgery, from the induction of anaesthesia through the actual surgery to recovery from anaesthesia.

The tabletop sections and accessories must be intended for the combination with the operating table.

The operating tabletop provides the possibility of X-raying the patient anterior - posterior outside the operating table column by using a conventional X-ray device.

The operating table is also used for task-related patient transfer within the operating theatre.

The mobile operating table is only intended for use in human medical applications.

1.3 Contraindication

Transport of unrelated objects, devices, or materials on the PST 500 operating table is prohibited.

The PST 500 operating table is not suitable for positioning of patients other than for the intended purpose.

It is not permitted to exceed the approved maximum load capacity.

No sharp-edged objects may be placed onto the pads. No adhesive films may be used on the pads. Damaged pads may no longer be used.

Damaged mains power cables may no longer be used.

The use of the operating table in combination with flammable mixtures of anaesthetic agents is prohibited.

Changes by the operator to the medical product are prohibited.

Extremities must not extend beyond the end of the operating table in a longitudinal direction. Exempt to this are accessories that are intended for this purpose.

1.4 Patient definition

All patients up to a weight of 454 kg / 1000 lbs can be positioned on the PST 500 operating table. Depending on the tabletop sections used, the approved patient weight may be reduced to 135 kg / 297 lbs. The conditions for the various loads on the operating table are specified in section 5.11.

1.5 User definition

The PST 500 operating table may be used and operated only by qualified staff. The training of the staff is performed by the manufacturer or other persons qualified by the manufacturer.

The primary users are medically trained specialists. This includes, for example:

- Anaesthetists
- Surgical nursing staff
- Surgeons of various specialisations

The cleaning staff is included among the primary users. The cleaning staff only handles the mobile operating table during cleaning. No patient is present during cleaning. The cleaning staff has been trained to handle the mobile operating table.

1.6 Usage environment

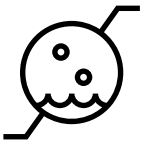
Temperature:	+10 °C to +40 °C / 50 °F to 140 °F
Air humidity:	20 % to 80 %
Atmospheric pressure:	540 mbar to 1060 mbar / 54 kPa to 106 kPa
Altitude:	≤ 5,000 m

The operating table must not be used in potentially explosive atmospheres.

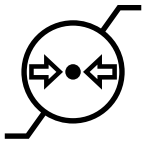
1.7 Ambient conditions for storage and transport

The operating table must be stored and transported in the following conditions:

Temperature: -20 °C to +60 °C / -4°F to +140°F



Air humidity: 10 % to 95 %



Atmospheric pressure: 540 mbar to 1060 mbar / 54 kPa to 106 kPa

fragile contents

top

keep dry

1.8 Service life

The service life with normal use is 10 years.

2 Safety

2.1 Combination with other products from Trumpf Medizin Systeme

Trumpf Medizin Systeme offers a wide variety of additional tabletop sections and accessories for the operating table. Not all products are available in all countries. More detailed information can be obtained from Trumpf Medizin Systeme's offices, which are located worldwide. Contact details are available online at www.trumpfmedical.com.

Use of the operating table is permitted in combination with the following products from Trumpf Medizin Systeme. The products are described in separate instructions for use, which must be read carefully and in full. The document number of the instruction manual is listed in the column on the right.

The combination of the operating table with the products listed has been tested by Trumpf Medizin Systeme and subjected to a declaration of conformity.

Pads

Product designation	Part number	Document number
Pad PST 500 H B U	2072451	4990839

Control modules

Product designation	Part number	Document number
Cable remote control		
Remote Control PST 500 U	2070307	4990823
Infra-red remote control		
Remote Control PST 500 W U	2070308	4990823
Cable remote control with display		
Remote Control PST 500 D U	2072218	4990823
Foot control		
Footswitch PST 500	2072450	4990834

Tabletop sections

The tabletop sections are designed by Trumpf Medizin Systeme for use in conjunction with the operating table to enable or support its intended purpose. The tabletop section is fastened to hook coupling points at the head or foot end of the operating tabletop and extends the positioning surface for the patient.

Product designation	Part number	Document number
Manufacturer Trumpf Medizin Systeme		
Table top segment Carbon1200 H V	1850989	4990053
Pad TTS Carbon one part B	1873466	
Carbon 600 tabletop section H V	1739992	4990052
Pad TTS Carbon 600 H B	1770133	
Single-part, lightweight leg section H V	2012543	4990123
Pad leg section, single-part, lightweight H B	1783522	

Product designation	Part number	Document number
Leg section four parts spreadable H V U	1853829	4990133
Pad leg section, four parts H B	1851579	
Two-part leg section spreadable H U V	1739991	4990050
Pad leg section, two parts H B	1809671	
Single-part leg section H U V	1739969	4990048
Pad leg section, single-part H B	1756392	
Head section double joint H U V	1853828	4990097
Pad head section H B	1764878	
Single-joint head section H U V	1769761	4990046
Pad head section H B	1764878	
Seat section extension H V U	1909820	4990108
Pad seat section extension H B U	1909819	
Universal section H V U	2072445	4990833
Universal plate pad H B	2072448	
Third-party manufacturers		
Shoulder chair H	2009875	–

The possible combinations of the operating table and tabletop sections are shown in Section 15.

Accessories

Trumpf Medizin Systeme accessories are intended for use in conjunction with the operating table to enable or support its intended purpose. The accessories are attached primarily to the side rail.

The permitted accessories are listed in Section 14.

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 Trumpf Medizin Systeme. Trumpf Medizin Systeme 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. Trumpf Medizin Systeme accepts no responsibility for the combination of the operating table with third-party products. The guarantee/warranty for products from Trumpf Medizin Systeme 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.

Medical devices may only be operated and applied according to their intended purpose and the general rules of technology.

Medical devices may only be operated or 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.

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 operator must report all serious incidents that occur in relation to the product to the manufacturer and the responsible authority.

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 instruction manual 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 instruction manual 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 operation
- Reset
- Emergency unlocking of the parking brake

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.

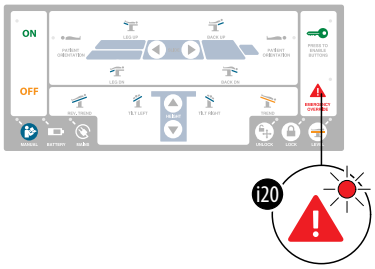
2.7.1 Emergency operation of the operating table

Emergency mode on the operating table ensures the Trendelenburg function in the event of a malfunction. Emergency mode must be manually activated by the user using the column keypad.

Operating the operating table in emergency mode:

- The Trendelenburg function can be performed with the column keypad. The back plate and leg plate function can be carried out with the remote control, provided it has not malfunctioned. In emergency mode, none of the other functions are available.
- Operation of the operating table with the infra-red remote control and foot control is not possible.

– Functions move at a lower speed and a continuous warning tone sounds.
– The end positions are not monitored and collision monitoring is not active.



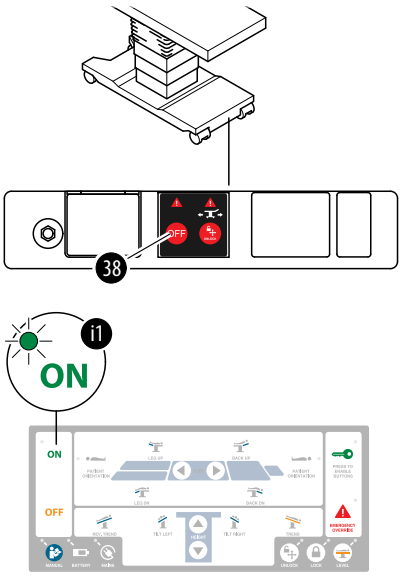
Activate the emergency mode in the event of a malfunction:

1. Press the [i20] key on the column keypad for at least 10 seconds. A warning tone sounds and constantly repeats. Release the key once the warning tone stops. The display next to the [i20] key lights up.
2. Continue the ongoing operation through to the end. Attention: do not extend the operating table functions to the end position.
3. Notify the Technical Customer Service if the operating table develops a fault. The operating table must not continue to be used in emergency mode.

The operating table can be returned to normal mode if the operating table is fully functional and there are no faults. To do this, switch the operating table off and back on again. Hold the off button down for at least 3 seconds.

2.7.2 Reset

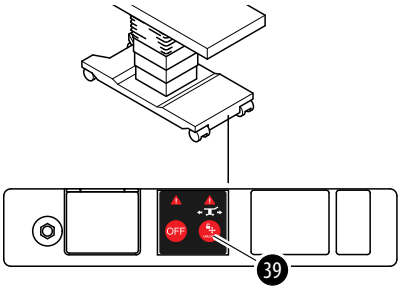
If the operating table reacts unexpectedly to a control, switch off the operating table and switch it back on. If you cannot even switch it off, press the reset button:



1. Push through the red circle on the information notice and press the [38] key below it.
   The operating table is switched off. Switch-off takes place regardless of whether the operating table is in battery- or mains-powered mode.
2. Switch the operating table back on via the column keypad [i1]. If an error code appears on the display on the running gear, or an error message appears in the display on the remote control, the operating table must not be used.
3. Regardless of whether a fault is present on the operating table or not, notify Technical Customer Service.
   The service engineer will check the operating table and replace the information notice.

The operating table must not be switched off as normal with the reset button.

2.7.3 Emergency unlocking of the parking brake



If the parking brake on the operating table cannot be released with the remote control or column keypad, the emergency unlock function on the running gear can be used. The button is located at the head end of the running gear and is covered by an information notice. After an emergency unlock, Technical Customer Service must be notified.

Releasing the parking brake on the operating table with the emergency unlock:

1. Push through the red circle on the information notice and press the [39] key below it.
   The jack props in the wheels are retracted and the operating table is freely mobile.
   It is possible that the operating table can only continue to be used to a limited degree.
2. Notify the Technical Customer Service.

2.7.4 Failure of the operating table's electrical functions

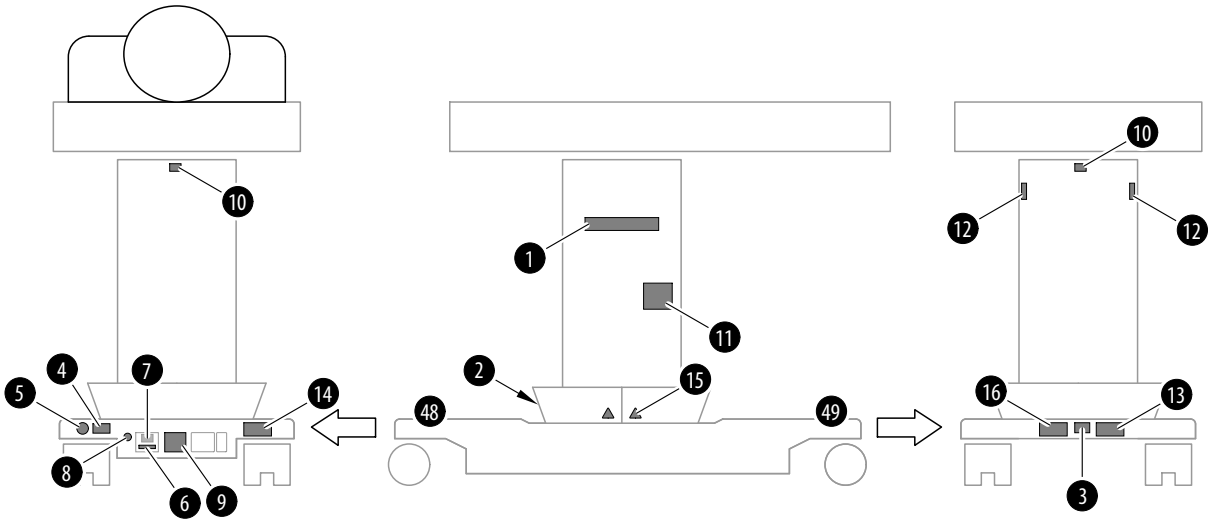
According to the current market state of the technological art, failure of the operating table cannot be completely ruled out, with the result that the electrical functions on the operating table are no longer available. In this rare case, stop using the operating table and notify Technical Customer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

2.8 Information notices

2.8.1 Safety instructions

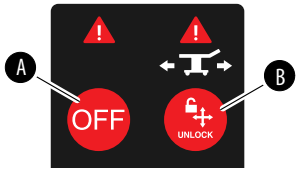
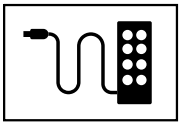
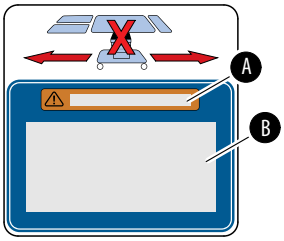
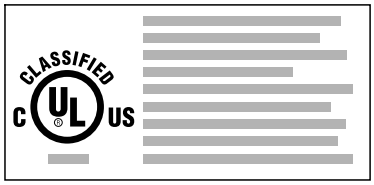
- The information notices on the product provide information about residual dangers during use, or provide additional useful information.
- The device label and all information notices must be present and be undamaged in the prescribed locations on the product. A damaged, illegible or missing device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

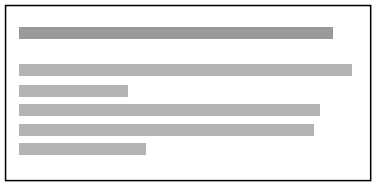
2.8.2 Position and meaning



[50] Head end of the operating table
[51] Foot end of the operating table

No.	Information notice	Meaning
[1]	Hillrom PST 500	Operating table name
[2]	Hillrom PST 500 Cladding Protection	Cladding protection name
[3]	Software	Current operating table software version
[4]	max. 1000lbs 600lbs	Transportable mass (maximum weight of the operating table and patient)

No.	Information notice	Meaning
[5]		Follow the instructions for use
[6]	100V-240V AC	Permissible operating voltage range
[7]	F1/F2 5x20 250VAC, 8A, F, H	Mains input fuse type
[8]		Connection for equipotential bonding cable
[9]		[A] Reset key Switch the operating table off. [B] Emergency unlock key Release the operating table's parking brake.
[10]		Connection socket for the cable remote control and foot control
[11]		[A] WARNING! [B] Before transporting the patient, lower the operating table so that the information notice is completely covered.
[12]		Positioning aid for the extension adapter (#1850992)
[13]		UL mark

No.	Information notice	Meaning
[14]		Reference to patents
[15]		Do not allow your fingers to be trapped between the two cladding protection parts.
[16]	Device label of the operating table	
		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) Material number
	REF	Trumpf Medizin Systeme material number
	SN	Serial number
	MD	Medical product
	CE	The device conforms to Regulation (EU) 2017/745 concerning medical devices
	IPX4	All-round splash protection
		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.
		Caution! Follow the warnings in the instruction manual!
		Degree of protection against electric shock: Type B applied part
		Date of manufacture (year-month-day)

3 Unpacking the operating table

The operating table comes delivered on a pallet with outer packaging.

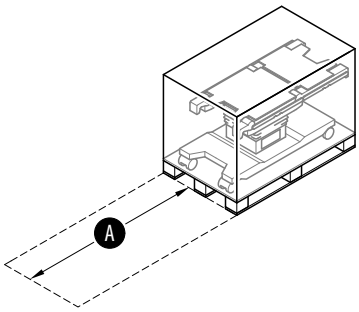
The packaging contains the following products:

- Operating table
- Power cable (length 3 m / 9.84 ft)
- Equipotential bonding cable
- Instructions for use

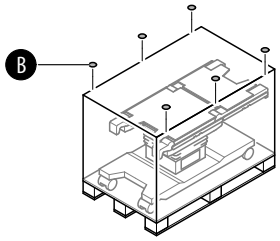
The accessories are supplied in separate packaging.

Do not switch the operating table on immediately after delivery. When transitioning from a cold to a warm environment or vice versa, moisture can form inside the operating table and cause a short circuit. After delivery, leave the operating table for at least 12 hours in the environment in which it will be used before switching it on for the first time.

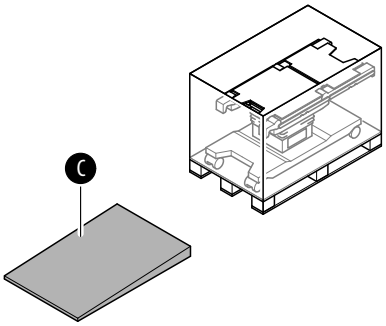
Unpack the operating table in a room with a level floor and sufficient open space.



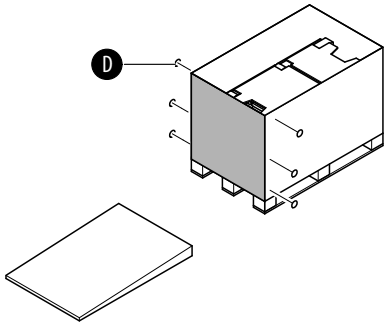
1. Position the pallet so that clearance of around 3.30 m / 10.83 ft [A] is available on the narrow side of the packaging.



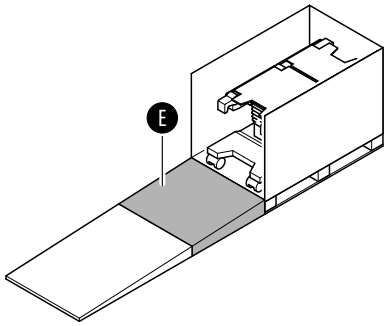
2. Unscrew the 6 screws [B] from the packaging lid.



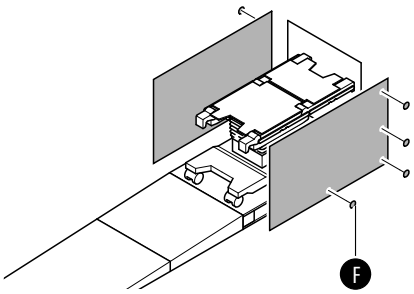
3. Remove the lid [C] and position it as the first part of the ramp on the front of the pallet. Turn the front side to make the front section the second part of the ramp.



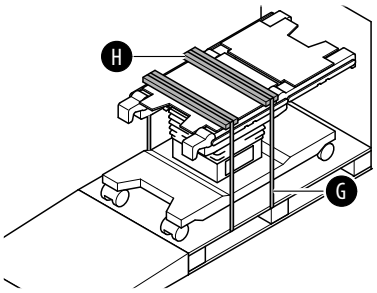
4. Remove 3 screws [D] from each of the side pieces and remove the front section of the packaging.



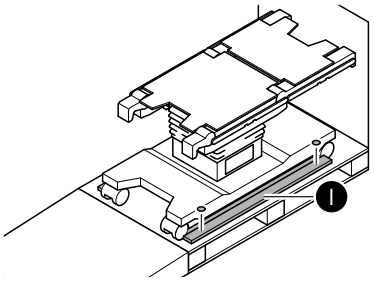
5. Remove the front section [E] and position it as the second part of the ramp on the front of the pallet. Push the ramp up to a closed area on the pallet.



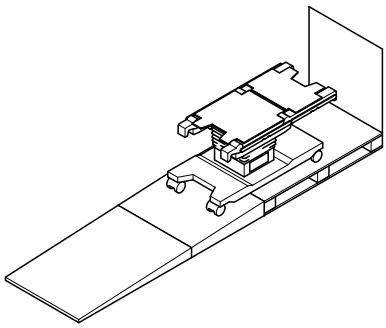
6. Remove both side sections (4 screws [F] each).



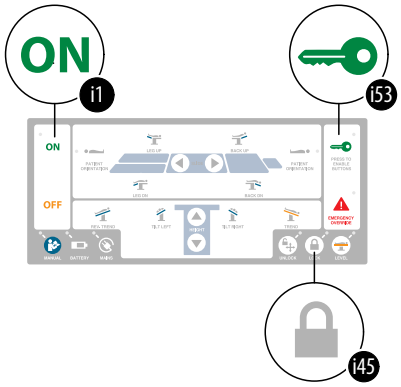
7. Release the tensioning straps [G] around the operating table and remove them together with the wooden bases [H].



8. Remove the wooden securing blocks [I] from the wheels (2 screws each).



9. **CAUTION!** The operating table may tip over if it is moved over the side edge of the pallet.
   Ensure that the ramp is pushed up to a closed area on the pallet.
   Carefully remove the operating table from the pallet using the ramp. This requires at least 2 people.

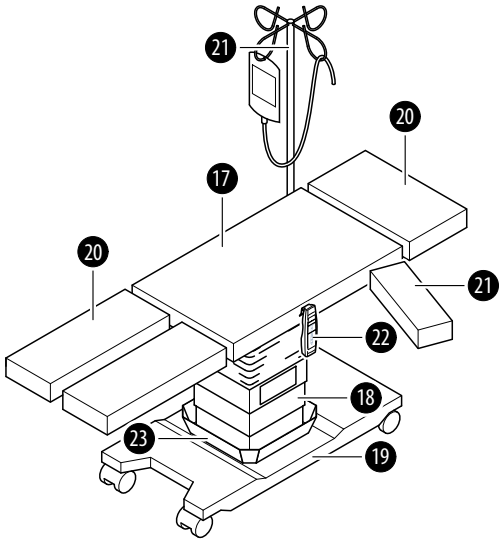


10. Switch on the operating table. To do this, press the key [i1] on the column keypad.
11. Release the key lock. To do this, press the key [i53] on the column keypad.
12. Activate the operating table's parking brake. To do this, press the key [i45] on the column keypad.
13. Dispose of the pallet, ramp, and packing material in an environmentally responsible manner.
14. Charge the batteries in the operating table.
15. 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 Trumpf Medizin Systeme.
    Cleaning and disinfection are described in Section 7.

4 Summary

4.1 Operating table and equipment

The operating table can be custom assembled using various Trumpf Medizin Systeme products. The approved products are listed in Section 2.1.



(Example)

[17] Operating tabletop
[18] Operating table column
[19] Running gear
[20] Tabletop section
[21] Accessories
[22] Remote Control
[23] 2-part cladding protection

5 Description

5.1 Overview of the operating table

The mobile operating table has a two-part operating tabletop which can be adapted to the required patient position with the use of various functions. The seat section is permanently attached to the back section.

The operating tabletop can be extended at the foot and head-end coupling points with tabletop sections. Accessories can be attached to the side rails.

The operating table has the following electrical functions:

- Level position
- Raise, lower
- Tilt right, tilt left
- Trendelenburg, reverse Trendelenburg
- Flex down, flex up
- Head-end longitudinal slide, foot-end longitudinal slide
- Leg section up, leg section down
- Back section up, back section down
- Beach chair position

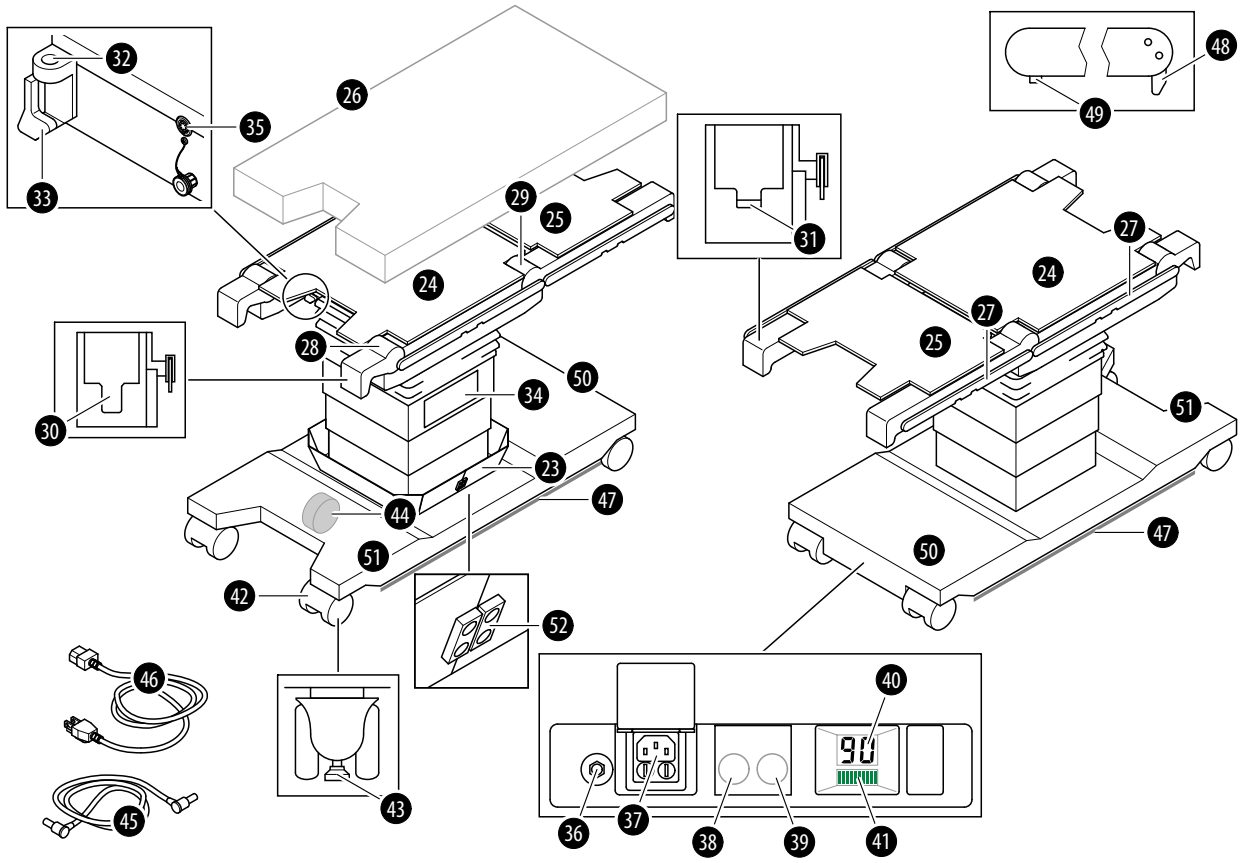
The patient orientation on the operating table is adjusted electrically. This means that the operation of the operating table is identical for the inverse and normal patient position. All functions are automatically carried out on the correct side.

The operating table is operated as standard with the remote control or via the column keypad. Other optional control modules are available from Trumpf Medizin Systeme.

The operating table can be used in accumulator- or mains-powered mode.

The operating table is equipped with 4 freely moving wheels. A further wheel in the middle of the running gear supports the operating table's movements and makes it easier to manipulate. The parking brake allows the operating table to be safely parked.

The cladding protection prevents objects on the running gear from being placed too close to the operating table column.



[23] 2-part cladding protection
[24] Seat section
[25] Back section
[26] Pads
[27] Side rail
[28] Leg section joint, motorized
[29] Back section joint, motorized
[30] Coupling point for support L
[31] Coupling point for support S
[32] Insertion aperture for extension adapter
The extension adapter is available as an optional accessory from Trumpf Medizin Systeme.
[33] Bearing for the extension adapter
The extension adapter is available as an optional accessory from Trumpf Medizin Systeme.
[34] Column keypad
[35] Control unit connector socket with cover (head and foot end)
[36] Equipotential bonding cable connector pin
[37] Connector socket for power cable
[38] Shutdown key (operating table reset)
[39] Emergency unlock key (release the parking brake on the operating table)
[40] Display for error codes
[41] Display for battery status
[42] Wheel
All 4 wheels can rotate 360° around their own axis.
[43] Jack prop (parking brake)

[44] Directional movement wheel
The wheel assists the user when the operating table is being moved forward or sideways.
[45] Equipotential bonding cable
[46] Mains power cable
[47] LED strip (indirect floor lighting)
[48] Lever
The lever acts as a securing device and prevents the accessory from slipping from the side rail.
[49] Stop
The stop acts as a securing device and prevents the accessory from slipping from the side rail.
[50] Head end of the operating table
[51] Foot end of the operating table
[52] Magnet

5.2 Summary of control modules

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

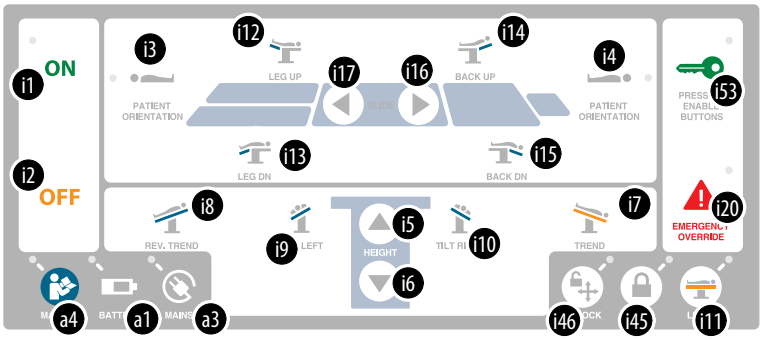
- Column keypad
- Remote control
- Foot control

The range of functions of the different control units varies.

5.2.1 Column keypad

The operating table is displayed on the column keypad in simplified graphical form. The top section of the graphic shows the functions of the operating tabletop, with the functions of the operating table column below. Arranged on the left and right edges of the column keypad are buttons for other functions and displays.

The column keypad is locked by default so that the functions on the operating table cannot be accidentally activated. The OFF key is excluded from the key lock.



[i1] Switch on the operating table function
(Status display next to the key)
[i2] Switch off the operating table function
[i3] Inverse patient orientation function
(Status display next to the key)
[i4] Normal patient orientation function
(Status display next to the key)

[i5] Raise function
[i6] Lower function
[i7] Trendelenburg function
[i8] Anti-Trendelenburg function
[i9] Left tilt function
[i10] Right tilt function
[i11] Level position function
(Status display next to the key)
[i12] Leg section up function
[i13] Leg section down function
[i14] Back section up function
[i15] Back section down function
[i16] Head end longitudinal slide function
[i17] Foot end longitudinal slide function
[i20] Activate emergency mode function
[i45] Activate parking brake function
(Status display next to the key)
[i52] Release parking brake function
(Status display next to the key)
[i53] Release key lock function
(Status display next to the key)

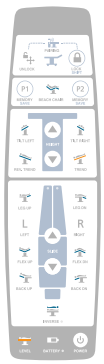
[a1] Operating table battery status display
[a3] Mains operation display (external power supply)
[a4] Malfunction display

5.2.2 Remote control

The following remote controls can be used with the operating table:

- Cable remote control without display
- Infra-red remote control
- Cable remote control with display

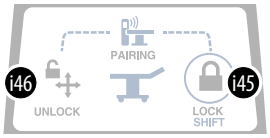
When the remote control is used, the remote control's instruction manual must also be followed.



Remote control without display:

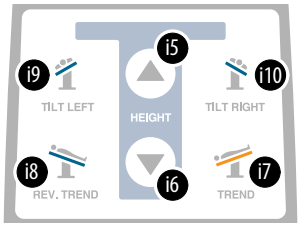
The following summary shows the user interface of the remote control without display.

The straight-line movements of the raise and longitudinal travel function are indicated with arrows. All other functions are indicated by a symbol.

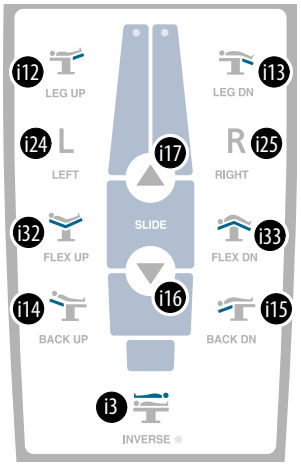


[i45] Activate parking brake function
[i52] Release parking brake function

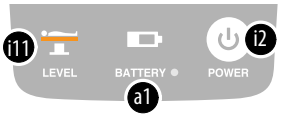
[i66] Approach position 1 function (P1)
[i67] Approach position 2 function (P2)
[i68] Beach chair function (semi-seated position)
[i45] + [i66] Save position 1 (two-key operation)
[i45] + [i67] Save position 2 (two-key operation)



[i5] Raise function
[i6] Lower function
[i7] Trendelenburg function
[i8] Anti-Trendelenburg function
[i9] Left tilt function
[i10] Right tilt function



[i3] Inverse patient orientation function
[i12] Leg section up function
[i13] Leg section down function
[i14] Back section up function
[i15] Back section down function
[i16] Head end longitudinal slide function
[i17] Foot end longitudinal slide function
[i24] Select the left leg section joint (L) (status display on the left leg section)
[i25] Select the right leg section joint (L) (status display on the right leg section)
[i32] Flex up function
[i33] Flex down function



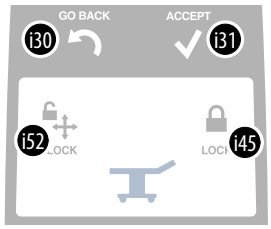
[i2] Switch off the operating table function
[i11] Level position function
[a1] Battery status display in the infrared remote control (Does not feature on the cable remote control.)

Remote control with display:

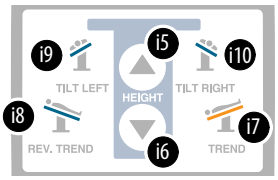
The following summary shows the user interface of the remote control with display.

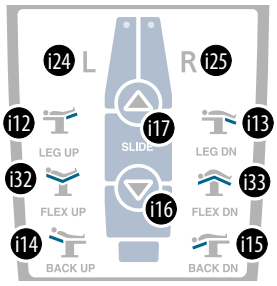
The straight-line movements of the raise and longitudinal travel function are indicated with arrows. All other functions are indicated by a symbol.

The remote control also features a display with touchscreen function. The remote control menu allows special functions to be carried out and additional settings to be made.



[i30] Abort function
[i31] OK function
[i45] Activate parking brake function
[i52] Release parking brake function





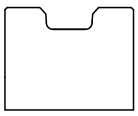
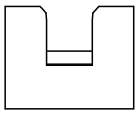
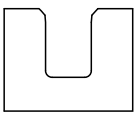
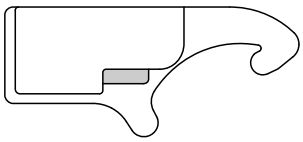
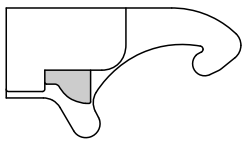
[i5] Raise function
[i6] Lower function
[i7] Trendelenburg function
[i8] Anti-Trendelenburg function
[i9] Left tilt function
[i10] Right tilt function

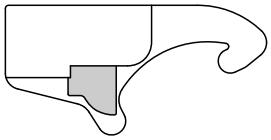
[i12] Leg section up function
[i13] Leg section down function
[i14] Back section up function
[i15] Back section down function
[i16] Head end longitudinal slide function
[i17] Foot end longitudinal slide function
[i24] Select the left leg section joint (L) (status display on the left leg section)
[i25] Select the right leg section joint (L) (status display on the right leg section)
[i32] Flex up function
[i33] Flex down function

[i2] Switch off the operating table function
[i11] Level position function

5.3 Hook couplings

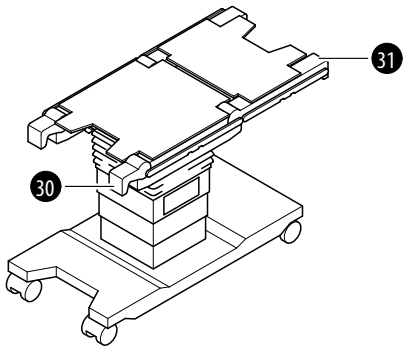
The coupling point is a separable connecting point between the operating tabletop and the tabletop sections. Each coupling point is made up of a fixing point or hook. The design of the fixing point determines which hook can be attached. The coupling points are built so that only certain combinations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

Coupling point	Fixing point		
	S	M	L
			
Hook with S encoding 	x	x	x
Hook with M encoding 		x	x

Coupling point	Fixing point		
	S	M	L
Hook with L encoding 			x

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

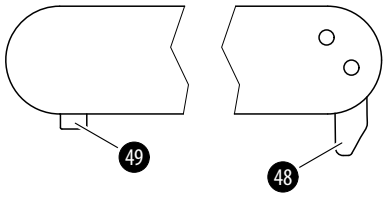
At the foot end of the operating tabletop the PST 500 operating table is equipped with an L mount [30], and at the head end with an S mount [31].



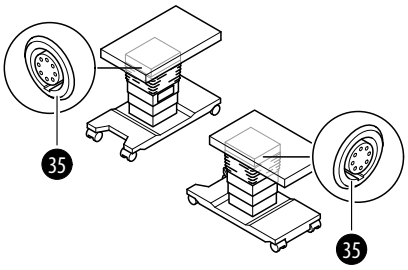
5.4 Side rails

The operating tabletop is equipped with side rails. Accessories can be attached to the side rails. The accessories approved by Trumpf Medizin Systeme are listed in Section 2.1. The accessories must be taken into account along with the patient's weight (see Section 5.11).

The side rails on the operating tabletop are equipped at the end with a securing device [48] / [49]. The securing device prevents loose accessories from sliding off the side rail.



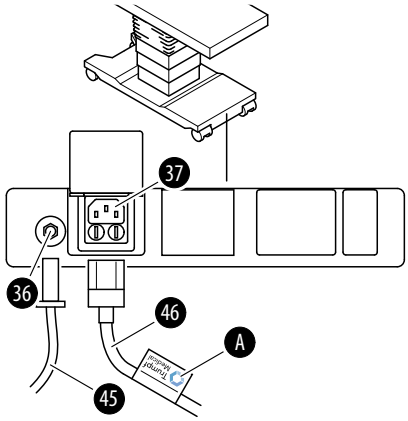
5.5 Connections for cables



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

Connection socket [35] under the seat section:

- Cable remote control without display (#2070307)
- Cable remote control with display (#2072218)
- Foot control (#2072450)



Connector pin [36] on the running gear:

- Equipotential bonding cable [45]

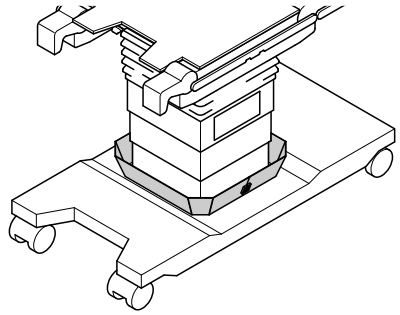
  The operating table may be used only with the original equipotential bonding cable from Trumpf Medizin Systeme.

Connection socket [37] on the running gear

- Mains power cable [46]

  The operating table must be connected to the power supply using the original mains power cable from Trumpf Medizin Systeme. The mains power cable is indicated with a label [A].

5.6 Cladding protection



Objects on the running gear that could touch the cladding of the operating table column may block the adjustment range of the operating table column. The cladding parts may bump into the objects and be damaged by the collision. The cladding protection prevents objects on the running gear from being placed too close to the operating table column.

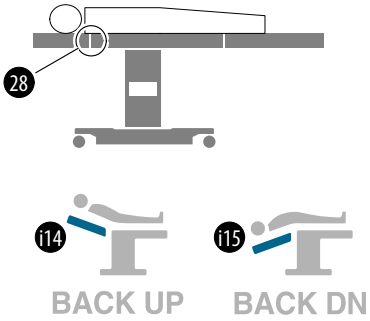
The cladding protection is positioned on the running gear and encloses the cladding of the operating table column. The two parts of the column protection are held together with magnets.

5.7 Setting options

5.7.1 Patient orientation

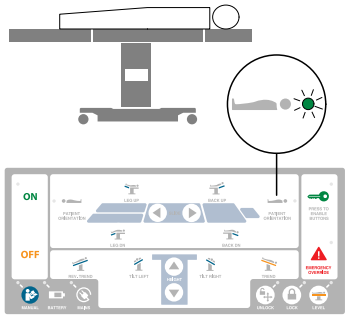
For the motor functions on the operating table, the operating table must be aware of the patient's current head position on it. Only if the display on the column keypad matches the orientation of the patient on the operating table will the operating table's functions be carried out on the correct side.

The adjustment ranges for the functions may be different with normal and inverse patient orientations, since the function is carried out based on the patient's position. For example, the leg section joints [28] assume the function of the back section in the inverse patient position. Commands are given using the keys for the back section [i14] / [i15].



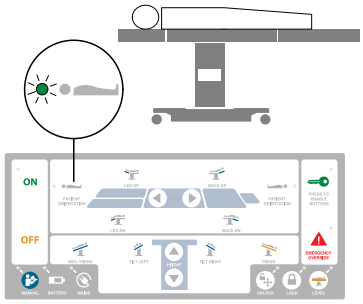
Normal patient orientation (default setting):

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.

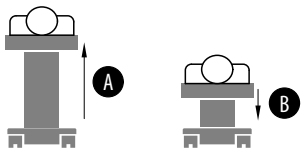


Inverse patient orientation:

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.

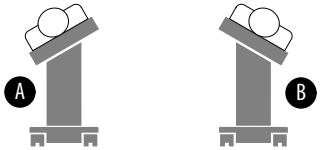


5.7.2 Lift



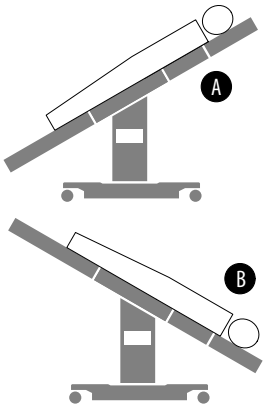
The operating tabletop is moved electrically upward [A] or downward [B].

5.7.3 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.

5.7.4 Trendelenburg

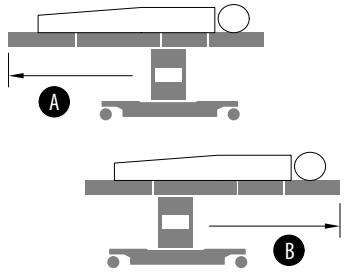


The operating tabletop is moved electrically around its transverse axis.

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

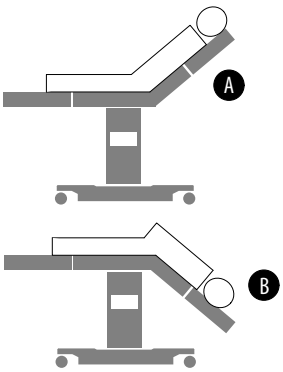
With the Trendelenburg function [B], the operating tabletop is moved with the head end downward.

5.7.5 Longitudinal slide



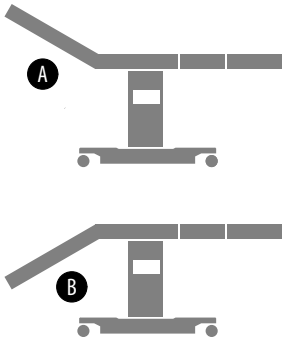
The operating tabletop is moved electrically towards the foot end [A] or head end [B] of the patient.

5.7.6 Back section



The back section is moved electrically upward [A] or downward [B].

5.7.7 Leg section joint



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

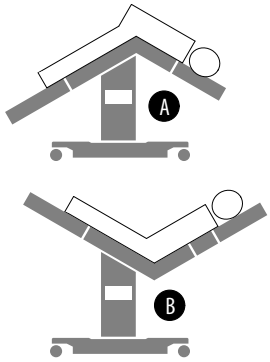
With the remote control, when the normal patient orientation is selected, the right and left joints can be moved independently of each other. The default setting on the remote control is that the joints are adjusted together. The joints cannot be adjusted individually if a single-part tabletop section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

5.7.8 Level position

The level position is a defined starting position in which the operating tabletop is moved to a horizontal position. The level position function combines the following functions:

- Tilt function:
  The operating tabletop is adjusted horizontally around its longitudinal axis.
- Trendelenburg function:
  The operating tabletop is adjusted horizontally around its transverse axis.
- Longitudinal travel function:
  The operating tabletop is moved to the middle of the adjustment range.
- Back section function:
  The back section is positioned horizontally.
- Leg section function:
  The leg section is positioned horizontally.

5.7.9 Flex down / flex up



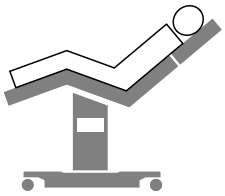
The operating tabletop folds electrically between the seat and back section.

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.

5.7.10 Beach chair



The operating tabletop is moved electrically to a beach chair position. The patient is moved to a semi-seated position.

The beach chair function can only be selected with the remote control and not with the column keypad.

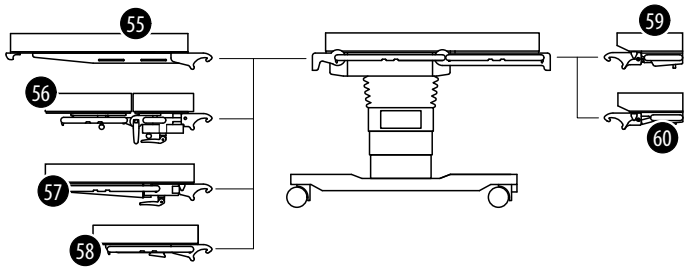
5.8 Automatic collision prevention

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.

A warning tone during the adjustment 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. After an automatic stop, the evasive movement key flashes on the remote control with display. 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 movement ranges are only monitored with the following operating table equipment. 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.

Version 1:



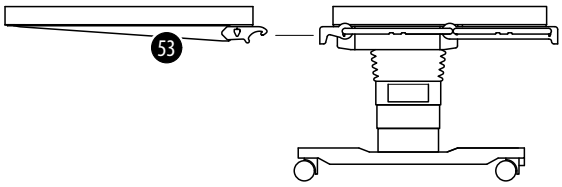
– A head section is attached at the head end of the operating tabletop

Item	Product designation	Part number
[59]	Head section double joint H U V	1853828
[60]	Single-joint head section H U V	1769761

– A leg section is attached at the foot end of the operating tabletop

Item	Product designation	Part number
[55]	Single-part, lightweight leg section H V	2012543
[56]	Leg section four parts spreadable H V U	1853829
[57]	Two-part leg section spreadable H U V	1739991
[58]	Single-part leg section H U V	1739969

Version 2:

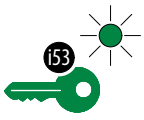


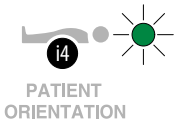
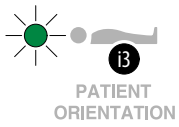
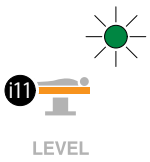
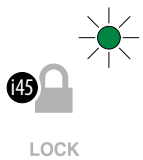
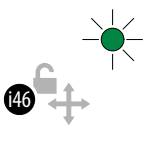
- No tabletop section is attached at the head end of the operating tabletop
- A Carbon 1200 tabletop section is attached at the foot end of the operating tabletop

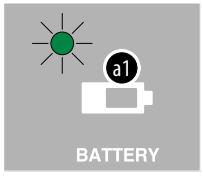
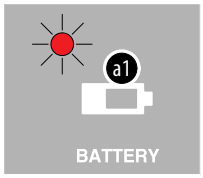
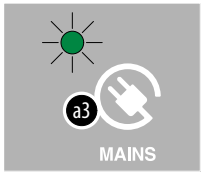
Item	Product designation	Part number
[53]	Table top segment Carbon1200 H V	1850989

5.9 Visual displays

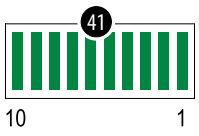
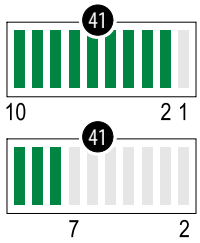
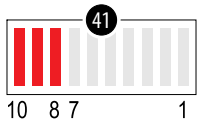
5.9.1 Column keypad

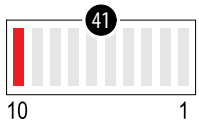
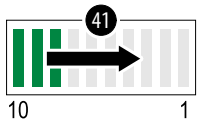
Display	Status	Meaning	Action
	The display lights up green.	The operating table is switched on and ready.	No action required
	The display does not light up.	The operating table is switched off.	Switch on the operating table if necessary.
	The display lights up green.	The key lock has been released. The keypad automatically locks 10 seconds after the last key has been pressed.	No action required
	The display flashes green.	In addition to the flashing display [i53], a single tone is emitted. A key has been pressed while the key lock is active.	Release the key lock. Press key [i53] for this. The keypad automatically locks 10 seconds after the last key has been pressed.
			Call up the function on the column keypad using two-key operation. To do this, press the [i1] key (switch on key) and simultaneously press the function key required.

Display	Status	Meaning	Action
	The display does not light up.	The key lock is active. Direct operation of the operating table using the column keypad is not possible. The exception is the OFF key. The operating table can be turned off at any time using the OFF key on the column keypad.	Release the key lock. Press key [i53] for this. The keypad automatically locks 10 seconds after the last key has been pressed.
			Call up the function on the column keypad using two-key operation. To do this, press the [i1] key (switch on key) and simultaneously press the function key required.
	The display lights up green.	Patient orientation is normal. The display corresponds to the head position of the patient on the operating tabletop. By default, normal patient orientation is activated on the operating table.	No action required
	The display lights up green.	Patient orientation is inverted. The display corresponds to the head position of the patient on the operating tabletop.	No action required
	The display lights up green.	The operating table is in the level position.	No action required
	The display flashes green.	The level position of the operating table is incomplete. Not all functions have been moved to the level position.	Notify the Technical Customer Service.
	The display lights up red.	The operating table's emergency mode has been manually activated.	Block the defective operating table from use for subsequent operations. Notify the Technical Customer Service.
	The display lights up green.	The parking brake is activated and the jack props on the 4 wheels are extended. The operating table cannot be moved.	No action required
	The display lights up green.	The parking brake is released and the jack props on the 4 wheels are retracted. The operating table can be moved as necessary.	No action required

Display	Status	Meaning	Action
	The display lights up green.	The batteries are fully charged.	No action required
	The display flashes green.	The batteries are charging.	No action required
	The display lights up red.	The batteries are almost empty.	Connect the operating table to the external power supply so that the batteries can be charged.
	The display flashes red.	The batteries are empty and the operating table will soon switch itself off automatically. Electrical functions are severely limited.	Connect the operating table to the external power supply so that the batteries can be charged.
	The display lights up green.	The operating table is connected by the power cable to the external power supply.	No action required
	The display lights up red.	An error has occurred with the operating table. The operating table can only be used to a limited degree.	Notify the Technical Customer Service.

5.9.2 Battery status display on the running gear

Display	Status	Meaning	Action
	All bars light up green.	The batteries are fully charged.	No action required
	Bars 2 to 10 light up green. Bar 1 does not light up. Bars 2 to 7 go out in sequence as the battery capacity diminishes.	The batteries are adequately charged.	The batteries can be charged with the external power supply.
	Bars 1 to 7 do not light up. Bars 8 to 10 light up red. Bars 8 and 9 go out in sequence as the battery capacity diminishes.	The batteries are almost empty.	Connect the operating table to the external power supply so that the batteries can be charged.

Display	Status	Meaning	Action
	Bar 10 flashes red.	The batteries are empty and the operating table will soon switch itself off automatically.	Connect the operating table to the external power supply so that the batteries can be charged.
	All bars light up briefly in sequence, starting from the left.	The batteries are charging.	No action required

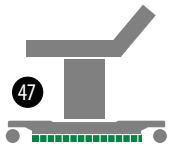
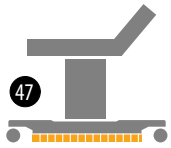
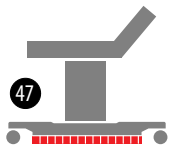
5.9.3 Error code display on the running gear

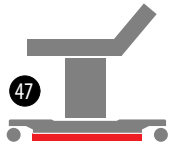
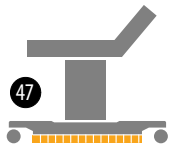
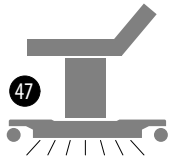
Display	Status	Meaning	Action
	A two-digit number is displayed.	The number represents an error.	Notify the Technical Customer Service.

5.9.4 LED strip on the running gear (light messaging system)

Indirect floor lighting is integrated into the operating table's running gear. It allows various states of the operating table to be indicated in different colors. The lighting assists users with the operation of the operating table. Permanent indirect floor lighting can also be switched on. Indirect floor lighting can only be switched on and off with the display remote control.

The table below shows the meaning of the various colors.

Display	Status	Meaning	Action
	The LED strips on the running gear flash green.	The parking brake on the operating table has been activated. After completing the function, the LED strip lights up green for approximately another 3 seconds.	No action required
	The LED strips on the running gear flash yellow.	The parking brake on the operating table has been released. After completing the function, the LED strip lights up yellow for approximately another 3 seconds. Some functions on the operating table are locked.	No action required
	The LED strips on the running gear flash red. A sound 6 can also be heard. The LED strips flash for as long as the sound can be heard.	The batteries are empty and the operating table will soon switch itself off automatically. Electrical functions are severely limited.	Connect the operating table to the external power supply so that the batteries can be charged.

Display	Status	Meaning	Action
	The LED strips on the running gear light up red for 3 seconds. A sound 7 is also audible.	An error has occurred with the operating table. The operating table can only be used to a limited degree.	Notify the Technical Customer Service.
	The LED strips on the running gear flash yellow 3 times. A signal also sounds (Section 5.10, sound 3).	Movement is required while the brakes are released.	Activate the parking brake on the operating table, then press the function key again. The operating table may be used for surgical interventions only when the brake is applied.
	The LED strips on the running gear light up solid white.	The floor lighting is switched on.	No action required If necessary, switch the floor lighting off.

5.10 Sounds

No.	Sound	Meaning
1	Ascending tone sequence	The operating table is switched on.
2	Descending tone sequence	The operating table is switched off.
3	Single tone	– The parking brake on the operating table is being released. – The parking brake on the operating table is being activated. – The end position of the function in question has been reached. – The level position of the function in question has been reached. – A blocked key has been pressed.
4	Double tone	– The end position of the level position function has been reached. – The end position of a saved position has been reached. – The key lock has been released.
5	2 pulsing tone sequences intermittently repeating (at an interval of several minutes)	The batteries need to be charged.
6	3 pulsing tone sequences intermittently repeating (at an interval of several minutes)	The batteries are empty and the operating table will soon switch itself off automatically.

No.	Sound	Meaning
7	Shrill triple tone	An error has occurred.
8	Shrill single tone During movement, the warning tone sounds repeatedly at intervals of one second.	Warning: – The left and right leg section are traveling towards each other. – Emergency mode is being activated. – Movement is taking place in the operating table's emergency mode. – Movement is taking place during an error state.

5.11 Maximum load capacity

⚠ WARNING

Do not exceed the permissible load.

- Do not exceed the permissible 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.

The operating table is approved for a maximum patient weight of 454 kg / 1,000 lbs. The maximum load on the operating table may only be applied, if the conditions in chapter 5.11 are met.

Consult Trumpf Medizin Systeme regarding the permissible load in any configuration of the operating table other than that described in these instructions for use.

The load comprises the weight of the patient and the net weight of the accessories. An additional accessory on the operating tabletop therefore reduces the permissible patient weight. The net weight of the accessory must be deducted from the permissible patient weight.

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

5.11.1 Summary

The maximum patient weight applies for an evenly loaded operating tabletop (surface load).

Restriction

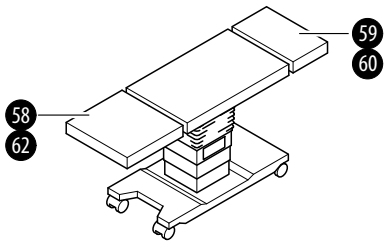
The lightweight, single-piece leg section [55] [1] can be used at all coupling points with fixing point L and M, taking account of the restricted patient weight. The lightweight, single-piece leg section is generally only approved for a patient weight of up to 135 kg / 297 lbs. A different leg section must be used on the operating table for a heavier patient.

Operating tabletop equipment The material number of the individual tabletop sections is listed in Section 15 under the respective item number.		**Orientation**	**Weight**	**Restriction**	**Chapter**
Foot end	**Head end**				
Leg section Item [58] or [62]	Head section Item [59] or [60]	Normal	454 kg / 1000 lbs	Yes	5.11.2 (1)
Leg section Item [56], [57], [58] or [62]	Head section Item [59] or [60]	Normal	360 kg / 793 lbs	None	5.11.2 (2)
Seat section extension Item [61]	None	Normal	300 kg / 661 lbs	None	5.11.3
Leg section Item [56], [57] or [58]					
Universal plate Item [62]	None	Inverted	270 kg / 595 lbs	None	5.11.4
Head section Item [59] or [60]					
Carbon 1200 tabletop section Item [53]	None	Normal	160 kg / 352 lbs	Yes	5.11.5
		Inverted	135 kg / 297 lbs	Yes	
Carbon 600 tabletop section Item [54]	None	Inverted	160 kg / 352 lbs	Yes	5.11.6
Extension unit	None	Normal	160 kg / 352 lbs	None	5.11.7
Shoulder chair Item [63]	None	Inverted	225 kg / 496 lbs	Yes	5.11.8
	None	Inverted	160 kg / 352 lbs	Yes	

[1] See Section 15

5.11.2 Operating tabletop with head section and leg section

Version 1



1. One of the following head sections is attached at the head end of the operating tabletop.

Item	Product designation	Part number
[59]	Head section double joint H U V	1853828
[60]	Single-joint head section H U V	1769761

2. One of the following tabletop sections is attached at the foot end of the operating tabletop.

Item	Product designation	Part number
[58]	Single-part leg section H U V	1739969
[62]	Universal section H V U	2072445

3. Normal patient orientation is active on the operating table.

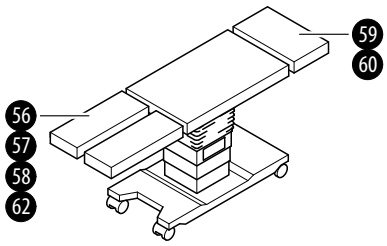
Permissible load:

454 kg / 1000 lbs Patient weights of up to 454 kg / 1000 lbs are permitted under the following conditions:

1. The longitudinal travel of the operating tabletop must be in the level position.
2. The operating tabletop must be inclined by no more than 15° around the lateral and longitudinal axis.
   The tilt function stops automatically at 15° and must not be tilted beyond this.

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

Version 2



1. One of the following head sections is attached at the head end of the operating tabletop.

Item	Product designation	Part number
[59]	Head section double joint H U V	1853828
[60]	Single-joint head section H U V	1769761

2. One of the following tabletop sections is attached at the foot end of the operating tabletop.

Item	Product designation	Part number
[56]	Leg section four parts spreadable H V U	1853829
[57]	Two-part leg section spreadable H U V	1739991
[58]	Single-part leg section H U V	1739969
[62]	Universal section H V U	2072445

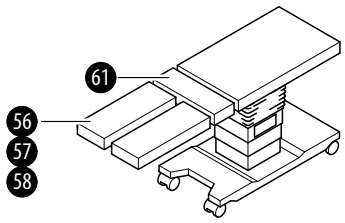
3. Normal patient orientation is active on the operating table.

Permissible load:

360 kg / 793 lbs Patient weights of up to 360 kg / 793 lbs are possible without limiting the operating table functions.

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

5.11.3 Operating tabletop with seat section extension and leg section



1. No tabletop section is required at the head end of the operating tabletop.
2. The seat section extension and one of the following leg sections are attached at the foot end of the operating tabletop.

Item	Product designation	Part number
Seat section extension		
[61]	Seat section extension H V U	1909820
Leg section		
[56]	Leg section four parts spreadable H V U	1853829
[57]	Two-part leg section spreadable H U V	1739991
[58]	Single-part leg section H U V	1739969

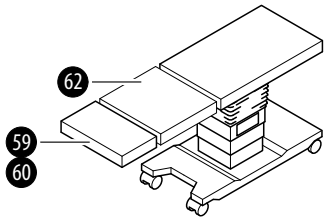
3. Normal patient orientation is active on the operating table.

Permissible load:

300 kg / 661 lbs Patient weights of up to 300 kg / 661 lbs are possible without limiting the operating table functions.

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

5.11.4 Operating tabletop with universal plate and head section



1. No tabletop section is required at the head end of the operating tabletop.
2. The universal plate and one of the following head sections are attached at the foot end of the operating tabletop.

Item	Product designation	Part number
Universal plate		
[62]	Universal section H V U	2072445
Head section		
[59]	Head section double joint H U V	1853828
[60]	Single-joint head section H U V	1769761

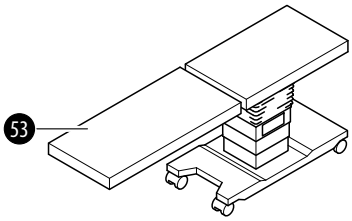
3. The patient orientation on the operating table is switched to inverted.

Permissible load:

270 kg / 595 lbs Patient weights of up to 270 kg / 595 lbs are possible without limiting the operating table functions.

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

5.11.5 Operating tabletop with Carbon 1200 tabletop section



1. No tabletop section is required at the head end of the operating tabletop.
2. The following tabletop section is attached at the foot end of the operating tabletop.

Item	Product designation	Part number
[53]	Table top segment Carbon1200 H V	1850989

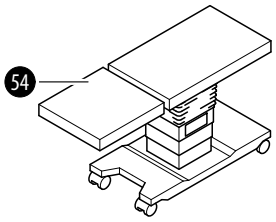
Permissible load:

160 kg / 352 lbs Patient weights of up to 160 kg / 352 lbs are possible in the normal patient orientation. Normal patient orientation is active on the operating table.
Longitudinal travel of the operating tabletop towards the foot end of the patient is restricted by 100 mm.

135 kg / 297 lbs Patient weights of up to 135 kg / 297 lbs are possible in the inverted patient orientation. The patient orientation on the operating table is switched to inverted.
Longitudinal travel of the operating tabletop towards the head end of the patient is restricted by 100 mm.

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

5.11.6 Operating tabletop with Carbon 600 tabletop section



1. No tabletop section is required at the head end of the operating tabletop.
2. The following tabletop section is attached at the foot end of the operating tabletop.

Item	Product designation	Part number
[54]	Carbon 600 tabletop section H V	1739992

Accessories for positioning the head can be attached to the tabletop section. The permitted accessories are listed in Section 14.

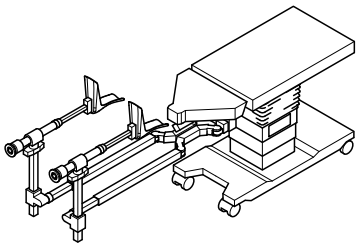
3. The patient orientation on the operating table is switched to inverted.

Permissible load:

160 kg / 352 lbs	Patient weights of up to 160 kg / 352 lbs are permitted. Longitudinal travel of the operating tabletop towards the head end of the patient is restricted by 100 mm.

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

5.11.7 Operating tabletop with extension unit

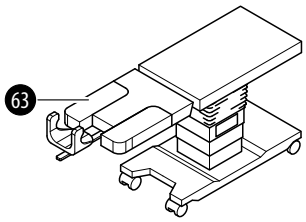


1. No tabletop section is required at the head end of the operating tabletop.
2. The extension unit is attached at the foot end of the operating tabletop.
3. Normal patient orientation is active on the operating table.

Permissible load:

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

5.11.8 Operating tabletop with shoulder chair



1. No tabletop section is required at the head end of the operating tabletop.
2. The following shoulder chair is attached at the foot end of the operating tabletop.

Item	Product designation	Part number
[63]	Shoulder chair H	2009875

Accessories for positioning the head can be attached to the shoulder chair. The permitted accessories are listed in Section 14.

3. The patient orientation on the operating table is switched to inverted.

Permissible load:

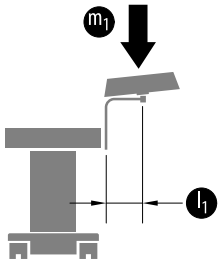
225 kg / 496 lbs	Patient weights of up to 225 kg / 496 lbs are permitted if the longitudinal extension on the head positioning is pushed in. Longitudinal travel of the operating tabletop towards the head end of the patient is restricted by 100 mm.
160 kg / 352 lbs	Patient weights of up to 160 kg / 352 lbs are permitted if the longitudinal extension on the head positioning is pulled out. Longitudinal travel of the operating tabletop towards the head end of the patient is restricted by 100 mm.

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

5.11.9 Side rails

The maximum permissible torque on each individual side rail of the operating tabletop is 100 Nm / 73 ft·lb around the longitudinal and transverse axes. Regardless of the load on the individual side rail, the unilateral total torque around the longitudinal axis of the entire longitudinal surface must not exceed 100 Nm / 73 ft·lb.

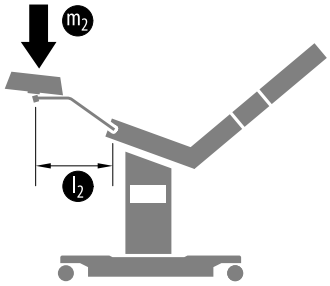
There is torque as soon as an accessory is connected to the side rail.



Torque around the longitudinal axis:

[m_1] Dead weight of the accessory *1 + incumbent weight (in kg)
[l_1] Distance from the coupling point to the point of action of the force (in meters)

*1 See the instructions for use of the accessory



Torque around the transverse axis:

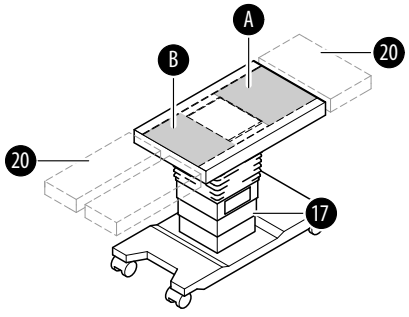
[m_2] Dead weight of the accessory *1 + incumbent weight (in kg)
[l_2] Distance from the coupling point to the point of action of the force (in meters)

*1 See the instructions for use of the accessory

The torque acting on the side rails can be calculated approximately using the following rule of thumb:

M	=	**m**	x	**l**
Torque (ft·lb)		Weight (lb)		Distance (ft)

5.12 Use with imaging systems



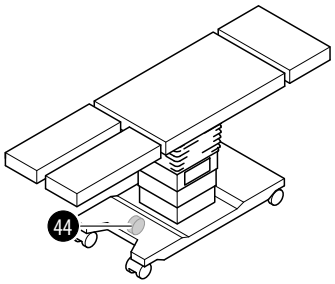
The operating table is permitted to be used with an X-ray machine.

The operating table is radiolucent between the left and right bars outside the operating table column [17]. The X-ray area at the head [A] and foot [B] end depends on the position of the operating tabletop in the longitudinal orientation. If the operating tabletop is moved in the direction of the foot end, the X-ray area at the foot end of the operating tabletop increases. If the operating tabletop is moved in the direction of the head end, the X-ray area at the head end of the operating tabletop increases.

The instructions for use of the product used must be consulted in order to determine the radiolucent area of the tabletop sections [20] or accessories.

Avoid wrinkling the pad and other materials lying on it (towels, underlays) in order to keep image artifacts to a minimum.

5.13 Driving modes



The operating table can be moved freely in any direction since the 4 wheels are all able to rotate around their own axis. The operating table is pushed and braked by the user's own strength.

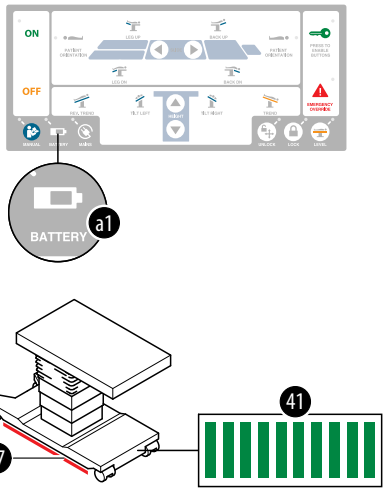
The operating table's direction of travel is supported by an additional wheel [44] in the center under the running gear. The directional movement wheel [44] stabilizes the operating table automatically if the operating table is being moved straight ahead.

In its un-braked state, only the following functions are available on the operating table for safety reasons:

- Level position
- Trendelenburg, reverse Trendelenburg
- Leg section up, leg section down
- Back section up, back section down

The operating table has a parking brake which causes a jack prop to extend onto all 4 wheels. If the parking brake is enabled, the operating table stands still on the jack props and cannot be moved. The parking brake must always be enabled if a patient is being transferred or if the operating table is being parked.

5.14 Internal power supply (battery operation)

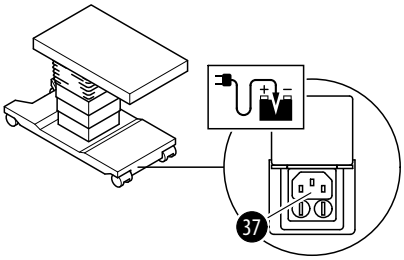


The operating table is equipped with batteries and can be operated without a mains power connection. If the batteries are fully charged, the electrical functions on the operating table can be used for several days.

The battery status is visible from the display [a1] on the column keypad and the display [41] on the running gear. When the batteries are empty, the LED strip [47] on the running gear also lights up. The electrical functions on the operating table are blocked when the battery status reaches a certain level. In this case, the operating table must be supplied with external power (external power supply).

Charge the batteries daily so that the operating table can always be used in battery mode. Even if the operating table is not used for a long time, charge the batteries regularly to preserve their service life. Trumpf Medizin Systeme recommends an interval of 1 month.

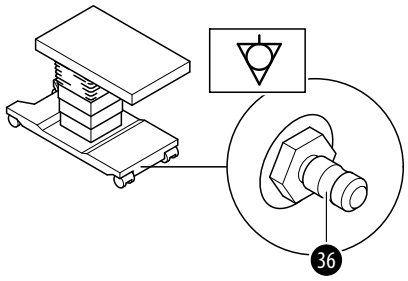
5.15 External power supply (mains operation)



The operating table can be connected to the room's power supply via the mains power cable. In mains power mode, there are no limitations to the use of electrically powered operating table functions. In mains power mode, the batteries are also charged at the same time.

The connection socket [37] for the mains power cable is located at the head end on the running gear.

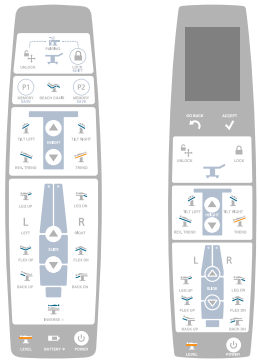
5.16 Equipotential bonding



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.

The connecting pin [36] for the equipotential bonding is located at the head end on the running gear.

6 Use



The use of the operating table is described in this instruction manual using the remote control. The column keypad can, unless specified otherwise, be used in the same way.

6.1 Safety instructions

- The operating table may be used only with tabletop sections and accessories approved by Trumpf Medizin Systeme.
- The operating table must not be used with damaged pads.
- The maximum permissible patient weight must not be exceeded.
- Lift the patient into the desired position on the operating table and do not pull 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 eliminated.
- Check the operating table to ensure it is functional and intact before use. The use of faulty or damaged products is prohibited.

6.2 Selection of functions

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

- Column keypad
- Remote control
- Foot control

The commands of the individual control units are listed in the following sequence:

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

The simultaneous activation of keys on various control units results in audible error messages or in the execution of table functions in order of priority.

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.

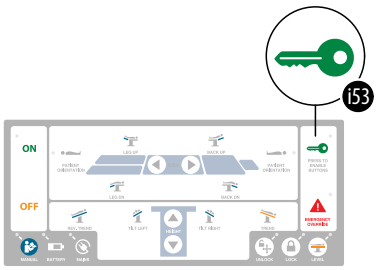
  For further adjustment, press the function key again.

– The level position has been reached.
  This option must be configured in the operating table (default setting). The automatic stop at the level position is indicated by an audible signal. For any further adjustment, briefly release the function key and then press it again.
– The intermediate stop is reached.
  You will hear an audible signal when the intermediate stop has been reached. For any further adjustment, briefly release the function key and then press it again.
– The end position has been reached.
  The automatic stop in the end position is indicated by an audible signal.

6.2.1 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.

6.2.2 Blocked keys



The column keypad is locked by default so that the functions on the operating table cannot be accidentally activated.

To release the key lock:
Press the [i53] key on the column keypad. The keys are released for 10 seconds.

6.3 Summary of how to use the operating table

The operating table is fitted with tabletop sections and accessories according to the procedure planned. Before the patient is transferred, the operating table must be checked as follows:

– Is the parking brake on the operating table activated?
  The operating table must only be used for surgical interventions or examinations when it is braked.
– Are the tabletop sections correctly attached?
  Check that the tabletop sections are securely fastened to the operating tabletop.
– Is the battery level sufficient?
  If necessary, charge the batteries or use the operating table in mains power mode (see Section 6.4).
– Is the operating table hygienically clean?
  Clean and disinfect the operating table if necessary (see Section 7).
– Are the pads damaged?
  Check the pads for cracks or other visible damage. Damaged pads must not be reused.

After patient contact, the operating table must be cleaned and disinfected (see Section 7). Park the operating table in a braked state until its next use.

6.4 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

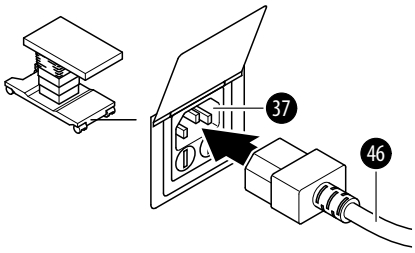
- Check the mains power cable before connecting it and do not use it if it has been crushed or if the insulation is damaged.

⚠ CAUTION

Standard requirements (limit value)

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

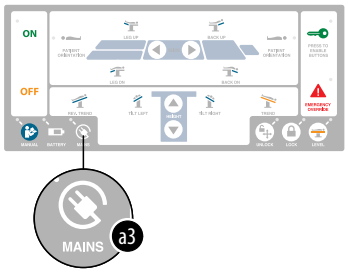
- The operating table must be used with the original mains power cable from Trumpf Medizin Systeme only.
- Do not extend the mains power cable on the operating table.



Connecting the cable:

1. Flip up the connector socket cover [37] on the running gear and insert the power cable plug [46] into the connection socket.
2. Route the cable to the socket so that no one can trip or fall over it.
3. Plug the connector of the mains power cable into a grounded power socket in the room.

   With the mains power connection, the operating table switches on automatically. The display [a3] on the column keypad lights up.

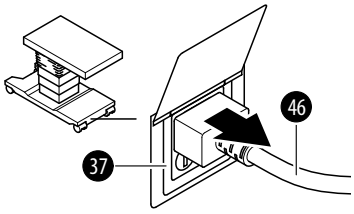


As soon as the operating table is connected to the mains power supply, the batteries are charged.

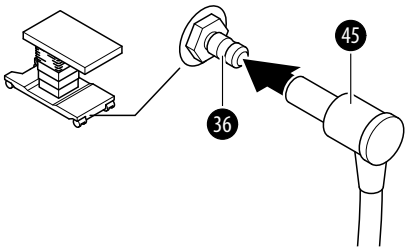
The mains power cable can remain connected if required and the operating table powered permanently via the mains power supply.

Disconnecting the cable:

1. Pull the mains power cable plug from the socket.
   The display [a3] on the column keypad goes out and an audible signal sounds.
2. Pull the mains power cable plug [46] from the connecting socket [37] on the operating table.

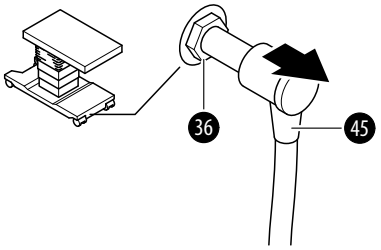


6.5 Connecting / disconnecting the equipotential bonding cable



Connecting the cable:

1. Connect the cable plug [45] to the connecting pin [36] on the operating table.
2. Plug the other end of the cable into the equipotential bonding in the room.



Disconnecting the cable:

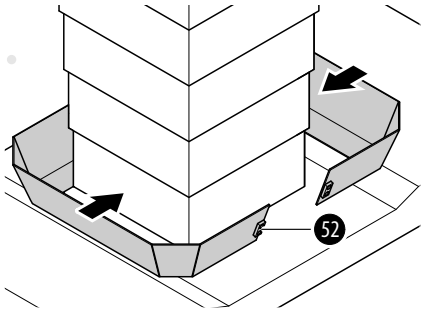
1. Disconnect the cable plug [45] from the connecting pin [36] on the operating table.
2. Pull the cable plug from the connection point in the room.

6.6 Attach cladding protection

⚠ CAUTION

Risk of crushing injury to fingers

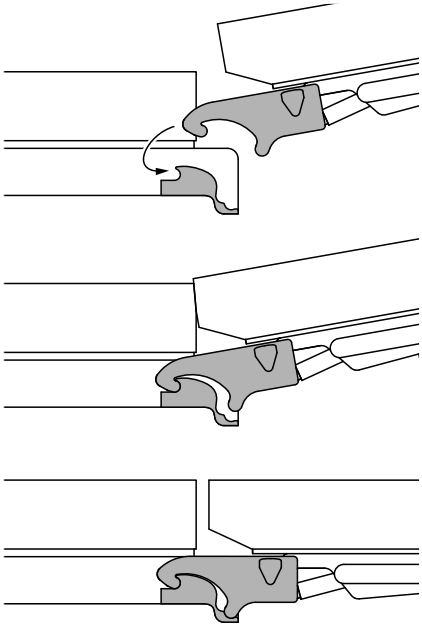
- Do not place fingers between the two parts of the cladding protection. The magnets may attract the two parts together.



1. Pull the two parts of the cladding protection apart.
2. Place one part of the cladding protection at the head and one at the foot on the running gear, as shown in the image.
3. Bring the two parts of the cladding protection together. The cladding protection surrounds the operating table column and is held together by magnets [52].

Remove the cladding protection: Pull the two parts of the cladding protection apart and remove them from the running gear.

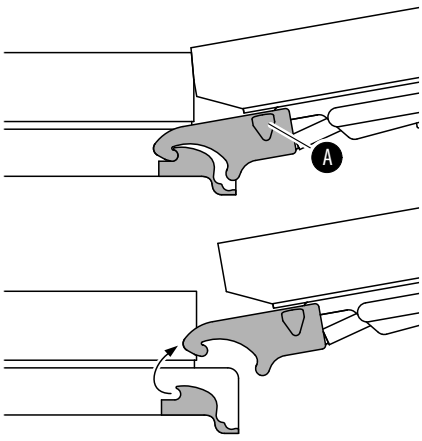
6.7 Attaching the tabletop section to the operating tabletop



The following description provides a general summary. The instruction manual of the tabletop section used must also be followed.

Attaching the tabletop section:

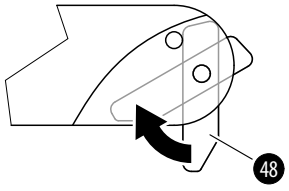
1. Position the operating tabletop so that it is horizontal.
2. Bring the operating tabletop joints at which the tabletop section is to be attached to a horizontal position.
3. **CAUTION!** Risk of crushing injury to fingers. Do not touch the tabletop section at the hooks.
   Hang the tabletop section 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.

6.8 Attaching accessories to the side rail

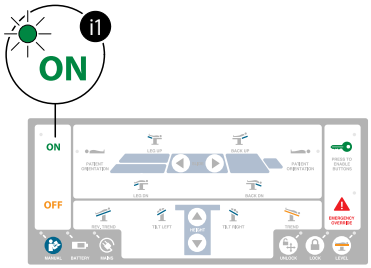


The description must be taken from the instructions for use for the accessory used. The permitted accessories are listed in Section 14.

The side rails have a mobile lever at their outer ends [48], which is swiveled inwards when the clamp is slid on. To remove the accessory, swivel the lever [48] by hand into the side rail.

6.9 Operating states

6.9.1 Switch on the operating table

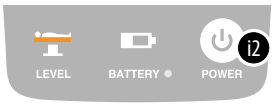


The operating table can only be switched on with the column keypad and not with the remote control.

Press the [i1] key on the column keypad.

The display next to the [i1] key 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.

6.9.2 Switching off the operating table



The operating table shuts down automatically 4 hours after the last key press on a control unit. It is, however, possible to switch the operating table off at any time using the remote control or column keypad:

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

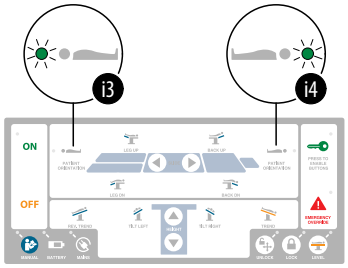
6.10 Adjusting the operating table

6.10.1 Safety instructions

- Securely attach the patient to the operating table with the appropriate accessories (for example, using straps).
- Carry out all patient repositioning in a controlled and responsible manner. Monitor all of the operating table's motorized movements to prevent the patient being endangered or material damage occurring as a result of a collision. Stop the function immediately before a dangerous situation arises. Ensure that the adjustment ranges on the operating table are not obstructed.
- The cables and tubes to the patient must not be placed under tension or crushed during the operating table's motorized movements. Stop the function in good time.
- There is a risk of crushing for the user between mobile parts of the operating table. Stop the function immediately before a dangerous situation arises.
- 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.

6.10.2 Patient orientation

Column keypad



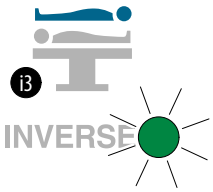
Normal patient orientation:

Press the [i4] key on the column keypad.
The display next to the [i4] key lights up.

Inverse patient orientation:

Press the [i3] key on the column keypad.
The display next to the [i3] key lights up.

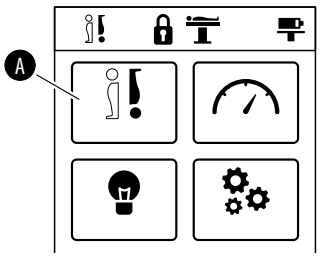
Remote control



Remote control without display:

Press the [i3] key on the remote control. This switches to the other patient orientation. The current patient orientation can be determined on the remote control from the display next to the [i3] key. If the display lights up, the inverted patient orientation is selected.

The patient orientation can also be determined on the column keypad.



Remote control with display:

The patient orientation is set via the menu in the remote control's display (button [A]). Consult the remote control's instruction manual for more information.

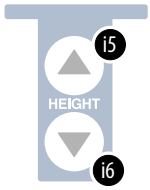
6.10.3 Lift

NOTICE

Danger of collisions when lowering the operating tabletop

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

- Monitor the operating table's movement and stop the function before any potential collision. Pay particular attention to lowered tabletop sections.
- Move the tabletop section in question further upward.
- Check the operating table's adjustment range and make space available if necessary.



Raise:

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

Lower:

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

6.10.4 Tilt

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.

This function is restricted in the following situations:

– When the operating table is markedly inclined in the Trendelenburg or reverse Trendelenburg position, the tilt function is restricted. If a larger adjustment range is required, the operating tabletop's Trendelenburg or reverse Trendelenburg position must be reduced.
– If the patient weighs more than 360 kg / 793 lbs, the operating tabletop must not be tilted by more than 15°. The operating tabletop stops automatically at 15° and must not be tilted beyond this.

6.10.5 Trendelenburg

NOTICE

Danger of collisions when lowering the operating tabletop

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

- Monitor the operating table's movement and stop the function before any potential collision. Pay particular attention to lowered tabletop sections.
- Move the operating tabletop further upward.
- Move the tabletop section in question further upward.
- Check the operating table's adjustment range and make space available if necessary.

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.

This function is restricted in the following situations:

– When the operating table is markedly tilted to the right or left, the Trendelenburg function is restricted. If a larger adjustment range is required, the inclination of the operating tabletop to the right or left must be reduced (tilt function).

– If the patient weighs more than 360 kg / 793 lbs, the operating tabletop must not be tilted by more than 15°. The operating tabletop stops automatically at 15° and must not be tilted beyond this.

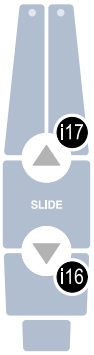
6.10.6 Longitudinal slide

NOTICE

Danger of collisions when moving the operating tabletop

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

- Monitor the operating table's movement and stop the function before any potential collision.



Longitudinal slide, head end:

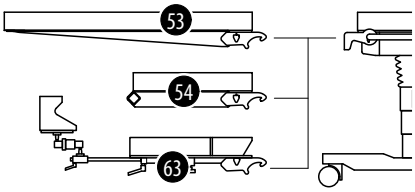
Press the [i16] key on the remote control or column keypad.

Longitudinal slide, foot end

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

This function is restricted in the following situations:

– The longitudinal travel is locked when the extension adapter is attached to the operating tabletop.
– If the leg section or back section is tilted downward, longitudinal travel may be restricted. The adjustment range depends how far the leg section or back section is tilted downward. If a larger adjustment range is required, the leg section or back section must be moved upward.
– The longitudinal slide towards the foot end of the operating table is restricted to 100 mm if one of the following tabletop sections is attached at the operating tabletop's foot-end hook coupling:



Item	Product designation	Part number
[53]	Table top segment Carbon1200 H V	1850989
[54]	Carbon 600 tabletop section H V	1739992
[63]	Shoulder chair H	2009875

You will hear an error message if longitudinal travel is in the impermissible range. In this case, longitudinal travel is only possible toward the head end until the permissible range is reached again.

6.10.7 Back section

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.

This function is restricted in the following situations:

- Depending on the longitudinal travel, the downward adjustment range of the joints may be restricted. If a larger adjustment range is required, longitudinal travel must be changed.
- The adjustment range of the back section differs for normal and inverted patient orientation. See also Section 5.7.1.

6.10.8 Leg section joints together

LEG UP

Leg section up:
Press the [i12] key on the remote control or column keypad.

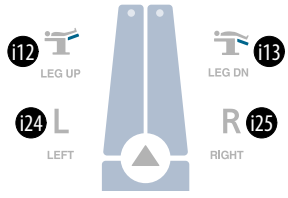
LEG DN

Leg section down:
Press the [i13] key on the remote control or column keypad.

This function is restricted in the following situations:

- Depending on the longitudinal travel, the downward adjustment range of the joints may be restricted. If a larger adjustment range is required, longitudinal travel must be changed.
- The leg section function is locked when the extension adapter is attached to the operating tabletop.
- The adjustment range of the leg section differs for normal and inverted patient orientation. See also Section 5.7.1.

6.10.9 Leg section joints individually



1. 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.
2. Move the joint upward using the [i12] key or downward using the [i13] key.

This function is restricted in the following situations:

- Depending on the longitudinal travel, the downward adjustment range of the joints may be restricted. If a larger adjustment range is required, longitudinal travel must be changed.

- The leg section function is locked when the extension adapter is attached to the operating tabletop.
- The adjustment range of the leg section differs for normal and inverted patient orientation. See also Section 5.7.1.

6.10.10 Level position

Press the [i11] key on the remote control or column keypad until an audible signal sounds.

Once the level position is reached, the display next to the key on the column keypad lights up.

A warning tone (shrill single tone) sounds when the foot-end joints on the operating tabletop are in different positions. In this case, when the leg sections are spread and above one another, there is a risk of the right leg section colliding with the left leg section. Stop the function before any collision and adjust the leg sections so that they are not on top of each other.

6.10.11 Flex down / flex up

The function can only be selected with the remote control.

Flex down:

Press the [i32] key on the remote control.

Flex up:

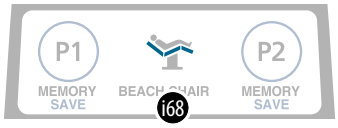
Press the [i33] key on the remote control.

6.10.12 Beach chair

The function can only be selected with the remote control.

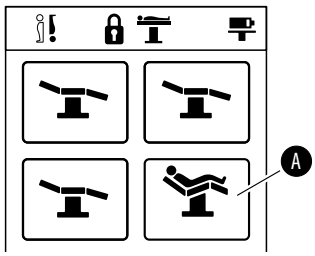
Remote control without display:

Press the [i68] key on the remote control.



Remote control with display:

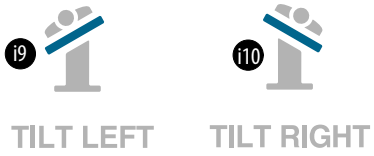
The function is set using the menu in the display on the remote control (button [A]). Consult the remote control's instruction manual for more information.



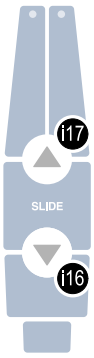
6.11 Activating the parking brake

1. Bring the operating table to a stop. The parking brake must not be activated while the operating table is still moving.
2. Press the [i45] key on the remote control or column keypad until an audible signal sounds.
   The LED strips on the running gear flash green while the jack props on the wheels are being extended. Once the display next to the key on the column keypad lights up, the parking brake is activated. The operating table cannot be moved anymore.

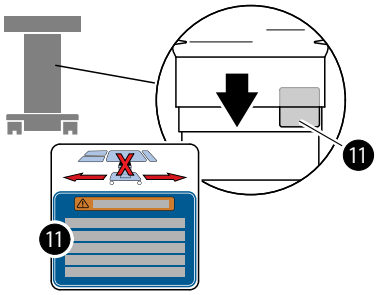
6.12 Releasing the parking brake and moving the operating table



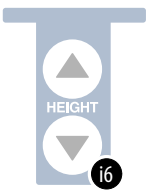
1. Set the operating tabletop tilt to horizontal ([i9]/[i10] key).

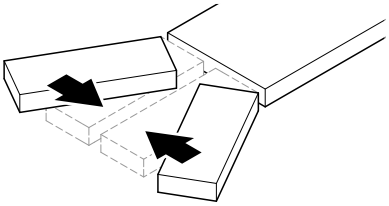


2. Move the longitudinal travel of the operating tabletop to the level position ([i16]/[i17] key).



3. Lower the operating tabletop until the information notice [11] on the cladding is completely hidden ([i6] key).

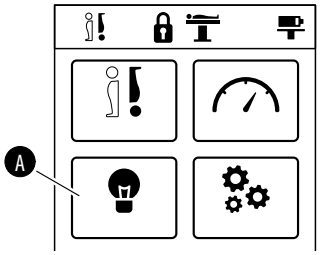




4. If the leg sections on the operating table are spread, position the leg sections parallel with the operating table's longitudinal direction.
5. Fold up or remove accessories from the operating table.
6. Disconnect the equipotential bonding cable from the operating table.
7. Disconnect the foot control from the operating table.

8. Pull the mains power cable plug from the socket and then from the connection socket on the operating table.
9. Press the [i52] key on the remote control until an audible signal sounds.
   The LED strips on the running gear flash yellow while the jack props on the wheels are being retracted. Once the display next to the key on the column keypad lights up, the parking brake has been released and the operating table is ready to be moved.
10. Grip the operating table by the operating tabletop's side rails and move it.
    If the patient weighs 160 kg / 352 lbs or more, the operating table must be moved by 2 or more people.
    If the patient is moved head-first, a second person must generally accompany the operating table at the patient's head end for safety reasons.

6.13 Switching the floor lighting on / off



The floor lighting can only be switched on and off via the menu on the display remote control (button [A]). Consult the remote control's instruction manual for more information.

The floor lighting is switched off automatically if the parking brake on the operating table is released or the operating table is switched off.

7 Cleaning and disinfection

7.1 Introduction

This section describes in detail how the operating table must be cleaned and disinfected after every 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.

Trumpf Medizin Systeme 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.

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.

7.2 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.

Trumpf Medizin Systeme recommends the following disinfectants:

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

7.3 Summary of cleaning and disinfection

Cleaning and disinfection shall 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, Trumpf Medizin Systeme 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.

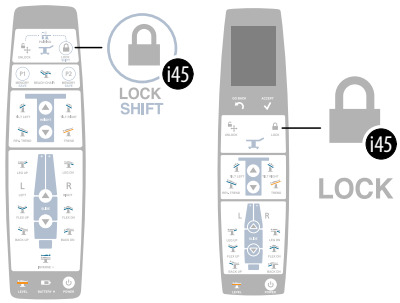
Before the operating table is used for the first time, it must undergo cleaning and disinfection.

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 exposure time. The disinfectant used must be allowed to work undisturbed. Do not wipe off.

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.

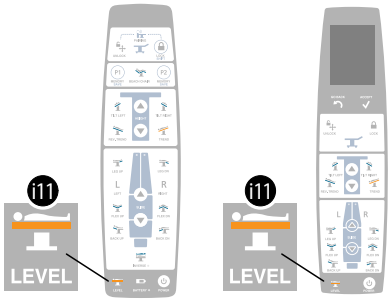
7.4 Preparing the operating table



1. Activate the parking brake on the operating table with the [i45] key.
   The LED strips on the running gear flash green and the parking brake is activated.

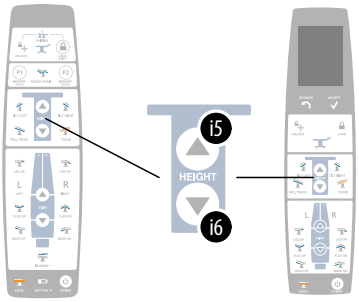
2. Remove all accessories from the operating table, such as equipment on the running gear or accessories on the side bars. Note the manufacturer's instructions for the various products.
   The tabletop sections remain attached to the operating table for now.

3. Remove all towels or drapes from the operating table.

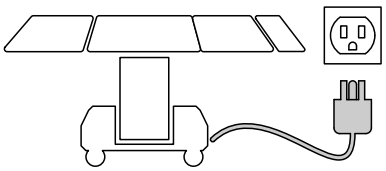


4. Move the operating table to the level position with the [i11] key.
   Press the key until the operating table stops automatically. An audible signal then sounds.

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.

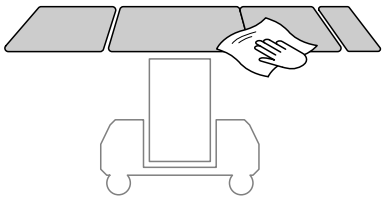
7.5 Cleaning the operating table

1. Prepare the operating table as described in Section 7.4. Wear the required personal safety equipment.

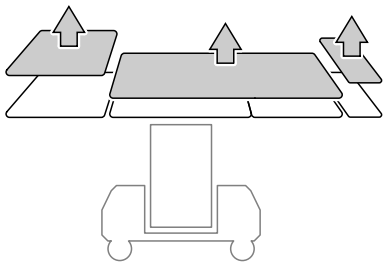
2. Remove coarse dirt from the operating table using suitable means.

3. Prepare the cleaning solution. Note the concentration of the cleaning agent.

4. Prepare a resting surface for the padding and tabletop sections. Disinfect the resting surface. Note the disinfectant's exposure time.



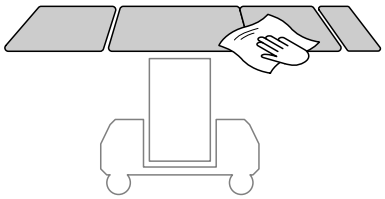
5. Wipe all residues from the pads on the operating tabletop in sequence. First wipe the top and then the sides of the pads. The padding must be visibly clean.



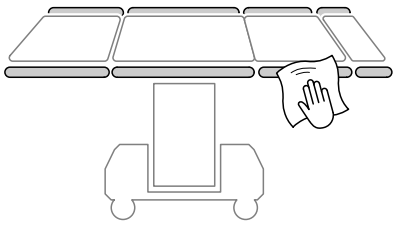
6. Once the padding is dry, remove it from the operating table and place it with the clean side facing downward on the prepared resting surface.

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.

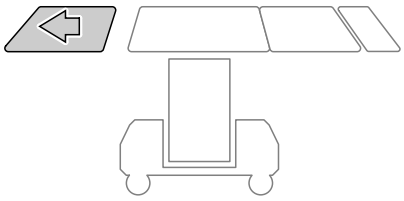


9. Wipe the surface of the operating tabletop and the individual tabletop sections so there are no residues.



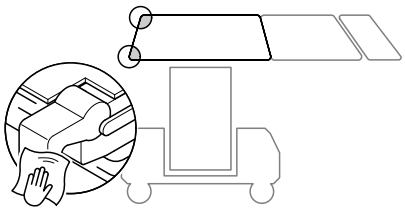
10. Wipe the side rails on the operating tabletop and the tabletop sections so there are no residues.

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

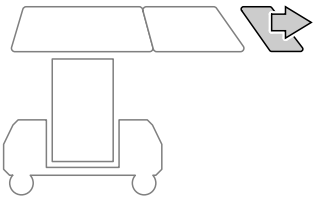


11. Remove the individual tabletop section at the foot end of the operating table and place it with the clean, dry side facing downward on the prepared resting surface.

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

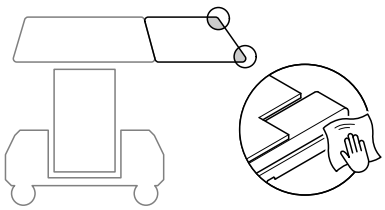


13. Move the hook couplings on the operating table all the way up and wipe thoroughly with a cleaning agent. Then move the hook couplings all the way down and clean again so there are no residues.

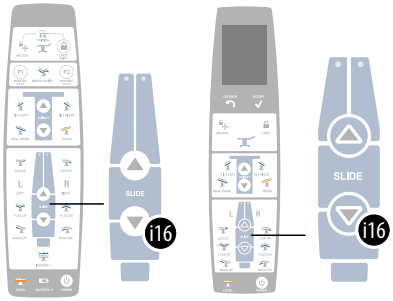


14. Remove the individual tabletop section at the head end of the operating table and place it with the clean, dry side facing downwards on the prepared resting surface.

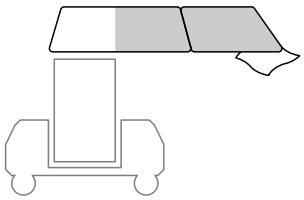
15. Clean the uppermost side and the hook couplings of the tabletop section so there are no residues.



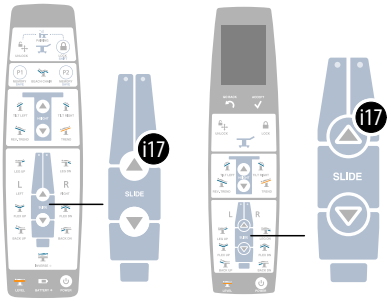
16. Clean the hook couplings on the operating table so there are no residues.



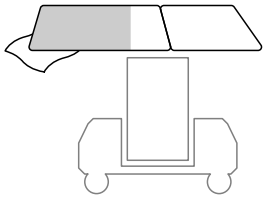
17. Extend the operating tabletop with the [i16] key all the way to the head end.



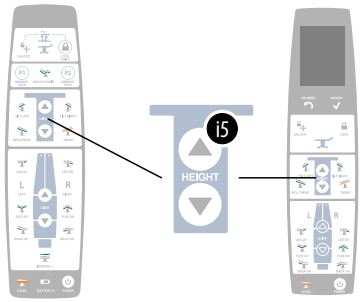
18. Clean the extended operating tabletop from underneath so there are no residues.



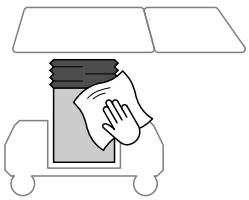
19. Extend the operating tabletop with the [i17] key all the way to the foot end.



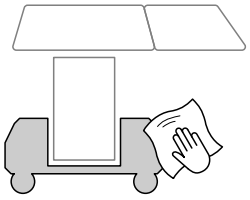
20. Clean the extended operating tabletop from underneath so there are no residues.



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. Remove and clean the cladding protection.
24. Clean the running gear thoroughly from above so there are no residues.

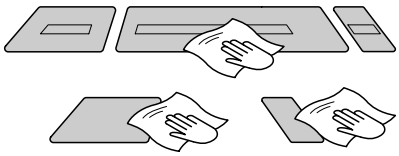
25. Visually inspect the surfaces of the entire operating table. The surfaces must be free of residue and any visible contamination. Clean any surfaces with contamination still visible again.

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

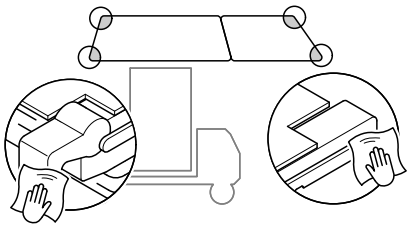
7.6 Disinfecting the operating table

1. Prepare a suitable disinfectant and disinfection method. During disinfection, ensure that all surfaces are adequately wetted at all times.

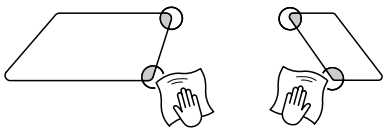
2. Prepare an additional resting surface for the padding. Disinfect the resting surface. Note the disinfectant's exposure time.



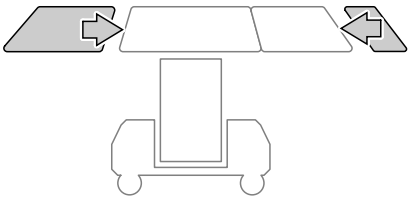
3. The padding and tabletop sections are still on the disinfected resting surface. Disinfect the uppermost side of the pad and tabletop sections.



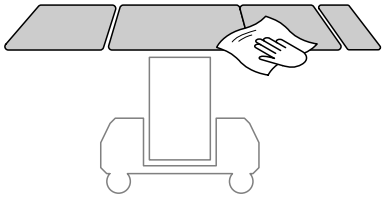
4. Move the hook couplings on the operating table all the way up and disinfect them. Then move the coupling points all the way down and disinfect them again.



5. Disinfect the coupling points on the tabletop sections.



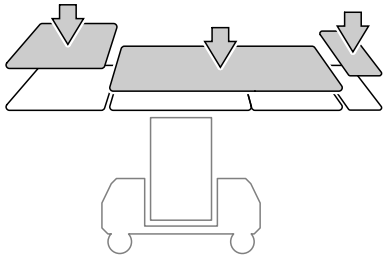
6. Once the coupling points are dry, attach the tabletop sections to the operating table.



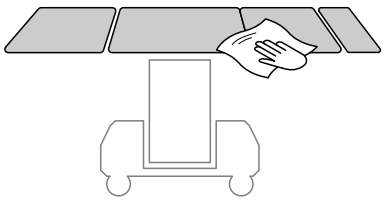
7. Disinfect the surface of the operating table, including the tabletop sections. Allow the surface to dry.

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

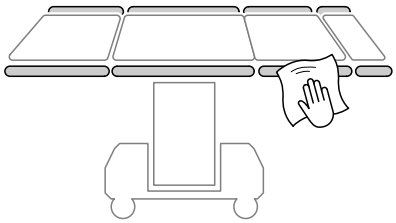
9. Disinfect the uppermost side of the pad.



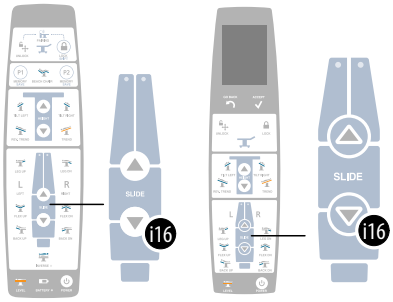
10. Attach the pad to the dried tabletop sections on the operating table.



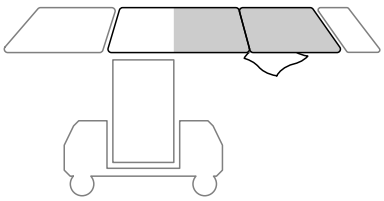
11. Disinfect all padding edges again.



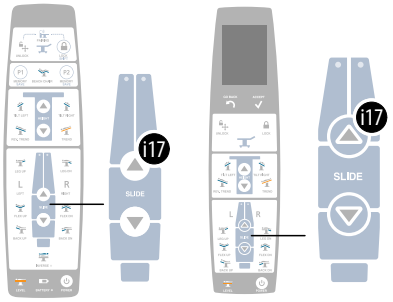
12. Disinfect the side rails.



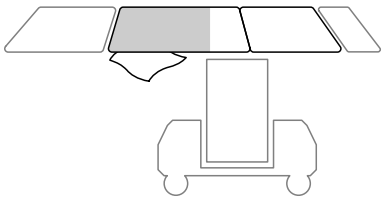
13. Extend the operating tabletop with the [i16] key all the way to the head end.



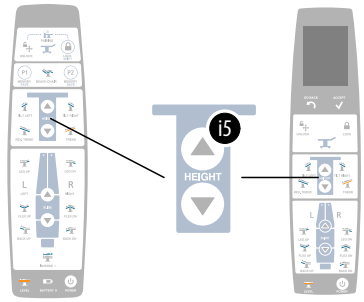
14. Disinfect the extended operating table from underneath.



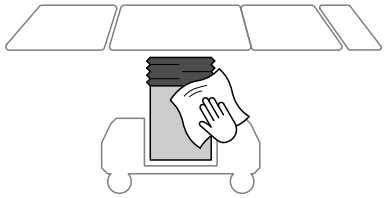
15. Extend the operating tabletop with the [i17] key all the way to the foot end.



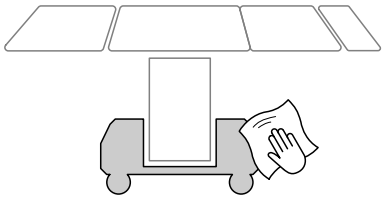
16. Disinfect the extended operating table from underneath.



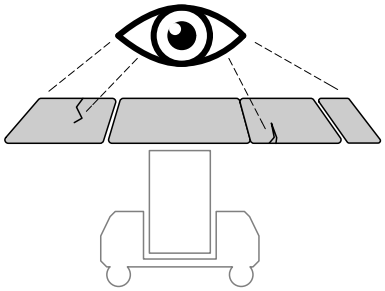
17. Move the operating tabletop with the [i5] key all the way up.



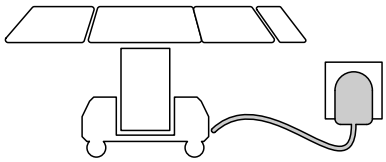
18. Disinfect the bellows and panel cladding from all sides.



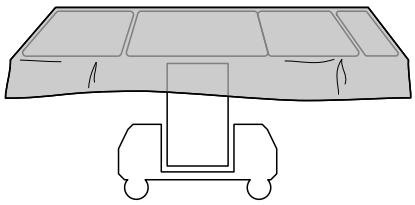
19. Disinfect the running gear from above.
20. Disinfect and attach the cladding protection.



21. Check the pad for cracks or other visible damage. Damaged padding must not be reused.



22. Plug the plug on the mains power cable back in the socket.



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

8 Troubleshooting

Error	Cause	Correction
The operating table does not respond when any keys are pressed.	The operating table is not switched on.	Press the On key on the column keypad.
	The infra-red remote control is not charged.	Charge the infra-red remote control or use the column keypad.
	There is no infra-red connection between the remote control and the operating table.	Establish an infra-red connection between the remote control and the operating table or use the column keypad.
	The control electronics are faulty.	Enable emergency mode if the error occurs while an operation is in progress. To move the operating table, the parking brake can be released using the emergency release key on the running gear. Notify the Technical Customer Service.
No operating table function is carried out when a key is pressed on the column keypad.	The key lock is active.	Release the key lock ([i53] key) or call up the function on the column keypad using two-key operation. To do this, press the [i1] key (switch on key) and simultaneously press the function key required.
The tilt or longitudinal travel function is not carried out when the key is pressed. A warning tone sounds.	The parking brake on the operating table has been released. In this state, not all of the adjustment functions are available.	Activate the operating table's parking brake ([i45] key).
No operating table function is carried out when a key is pressed. The display for the battery status on the column keypad and running gear flashes red.	The batteries are empty.	Use the operating table in emergency mode. In mains power mode, the batteries are also charged at the same time.
The selected operating table function (e.g. longitudinal travel) cannot be moved to the end position.	The restriction is imposed by automatic collision avoidance.	Move the restricting tabletop section or restricting function in the other direction (for example, move the leg sections upward). Where the remote control with display is used, the key for an evasive movement flashes in the event of an automatic stop.
The wrong joint has been moved or the direction of movement is incorrect.	The patient orientation set does not match the actual patient orientation.	Switch the patient orientation ([i3] or [i4] key).

Error	Cause	Correction
The leg section joints cannot be adjusted individually.	A closed tabletop section is attached to the leg section joints.	Remove the closed tabletop section.
	The inverted patient orientation is set.	Set the normal patient orientation ([i4] key).
The saved position cannot be called up.	The configuration of the operating table does not match the saved position. Other tabletop sections are attached to the operating table or the patient orientation is set differently.	Set the configuration on the operating table according to the saved position.
The parking brake cannot be released.	The tilt is not horizontal.	Set the tilt to horizontal ([i9]/[i10] key).
A warning tone sounds during the level position function if the left and right leg sections are moving away from each other.	When the leg sections are spread and above one another, there is a risk that the right leg section will collide with the left leg section.	The audible signal is a warning tone and does not indicate an error.
An audible signal sounds when the operating table is being moved. The function is carried out at a slow speed.	An error has occurred with the position detection for the triggered function. Automatic collision avoidance is not working.	Notify the Technical Customer Service.
The operating table cannot be used in mains power mode and the batteries cannot be charged. The display for mains power mode [a3] does not light up.	The mains power cable or internal power pack is faulty.	Notify the Technical Customer Service.
The operating table cannot be charged and the display for the battery status [a1] flashes red.	The batteries are faulty.	Notify the Technical Customer Service.

In the event of questions or other faults, please contact the Technical Customer Service at Trumpf Medizin Systeme.

9 Maintenance

The first maintenance of the operating table after handover to the user takes place in the 3rd year. From the 4th year onwards, the operating table is maintained annually.

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 Trumpf Medizin Systeme.

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

10 Repair

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

11 Disposal

Within the European Union (EU), the Trumpf Medizin Systeme products described here fall within the scope of Directive 2012/19/EU (the WEEE Directive) and meet the requirements of Directive 2011/65/EU (the RoHS Directive). The product must not be disposed of via municipal collection points for old 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 Trumpf Medizin Systeme, your local dealer, or the appropriate national authority.

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

When the operating table is taken out of operation, the lithium-ion battery must be removed from the operating table by a qualified service technician. Send the deinstalled battery to the Technical Customer Service at Trumpf Medizin Systeme in suitable packaging. Important: returns must be declared as hazardous materials of class 9/UN3480.

12 Technical data

12.1 Device data

Dimensions	
Length of the operating tabletop (from coupling point to coupling point)	1180 mm / 46.46 in
Width of the operating tabletop (with side rails)	600 mm / 23.62 in
Height of the operating table (without padding)	598 mm to 1148 mm / 23.54 in x 45.20 in
Height of the side rail	28.6 mm / 1.125 in
Depth of the side rail	9.5 mm / 0.37 in

Weight	
Tare weight	250 kg / 551 lbs
Maximum operating table load	454 kg / 1000 lbs (depending on the operating table equipment)

Adjustment range of the functions	
Lift	550 mm / 21.65 in
Trendelenburg	+35°/-35°
Tilt	25° to the left 25° to the right
Longitudinal slide	400 mm / 15.75 in 200 mm / 7.87 inch in each direction starting from the level position
Leg section joint (angles relative to the seat section)	90° upward, 105° downward The figures refer to normal patient orientation.
Back section joint (angles relative to the seat section)	90° upward, 90° downward The figures refer to normal patient orientation.

Electrical parameters	
Internal power supply	3 batteries 12 V / 12 Ah
External power supply	100 V - 240 V ~ 50 Hz / 60 Hz
Power consumption	Max. 730 VA
Operating mode	S6 – Continuous operation with intermittent load (DBAB) 2 min ON, 8 min OFF

Classification	
Classification of used part (as per IEC 60601-1)	Type B for the entire operating table Patient leakage current in accordance with type CF
Degree of protection against electric shock	Protection class I
Degree of protection from water penetration	IPX4 (all-round splash protection)
Aluminum equivalent of the radiolucent area	≤ 2.3 mm measured with an X-ray radiation of 100 kV and a half-value layer thickness of 3.6 mm of aluminum

12.2 Electromagnetic compatibility

⚠ WARNING

Incorrect operation of the operating table

- The operating table must only be used with accessories and original cables approved by the manufacturer. The use of other accessories and cables can increase the electromagnetic interference emissions or reduce the operating table's immunity to electromagnetic interference. This can result in faulty operation.
- Avoid using the operating table directly adjacent to other devices. If a side-by-side arrangement is required nonetheless, the correct operation of the operating table must be checked before use.
- Portable RF (radio-frequency) communications equipment and their peripherals such as antenna cables and external antennas must be kept at a distance of at least 30 cm (12 inches) from the operating table, including its cables. If this distance is less, the function of the operating table may deteriorate.

Medical electrical devices are subject to special precautionary measures in terms of electromagnetic compatibility and must be installed and used in accordance with the manufacturer's specifications.

The operating table is used in a professional healthcare facility.

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. If necessary, users must take remedial measures, such as the relocation or realignment of the device.

Key performance features according to IEC 60601-1:

– 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.
– In the operating table's emergency mode, the Trendelenburg function is safeguarded.

There are no precautions required to maintain basic safety and the operating table's key performance features in terms of electromagnetic compatibility during its expected service life.

The operating table is intended for use near high-frequency surgical equipment. The operating table has been tested in terms of immunity to interference only against radiated fields in the electromagnetic environment stated below. The electromagnetic environment corresponds to a professional healthcare facility and the field of domestic healthcare.

Guidelines and manufacturer's declaration – electromagnetic immunity		
The PST 500 operating table has been designed for operation in the electromagnetic environment described below. The operator or user must ensure that it is used in such an environment.		
Emissions measurements	Compliance	Electromagnetic environment - guidelines
HF emissions in accordance with CISPR 11	Group 1	The operating table only uses HF energy for its internal functioning. Therefore, its HF emissions levels are very low and it is improbable that neighboring devices would be affected by interference.
HF emissions in accordance with CISPR 11	Class A	The operating table is intended for use in facilities other than private homes, provided that these facilities are directly connected to a public power supply network that also supplies buildings used for residential purposes.
Harmonic emissions as per IEC 61000-3-2	Class A	
Voltage fluctuations / flickers as per IEC 61000-3-3	fulfilled	

Guidelines and manufacturer's declaration – electromagnetic immunity			
The PST 500 operating table has been designed for operation in the electromagnetic environment described below. The operator or user must ensure that it is used in such an environment.			
Immunity testing	IEC 60601-1 test level	Compliance level	Electromagnetic environment – guidelines
Electrostatic discharge (ESD) according to IEC 61000-4-2	±8 kV contact discharge ±15 kV air discharge	±8 kV contact discharge ±15 kV air discharge	The floor should be made of wood or concrete, or should be covered with ceramic tiles. If a floor is covered with synthetic material, the relative humidity must be at least 30%.
Fast transient electrical disturbance variables/bursts in accordance with IEC 61000-4-4	±2 kV for mains power cables ±1 kV for input and output lines 100 kHz repeat frequency	±2 kV for mains power cables ±1 kV for input and output lines 100 kHz repeat frequency	Mains power quality should correspond to a typical commercial or hospital environment.
Surges as per IEC 61000-4-5	±1 kV outer conductor - outer conductor voltage ±2 kV outer conductor - ground voltage	±1 kV outer conductor - outer conductor voltage ±2 kV outer conductor - ground voltage	Mains power quality should correspond to a typical commercial or hospital environment.
Voltage dips, short interruptions, and voltage variations on power supply input lines pursuant to IEC 61000-4-11	0% U_T; 0.5 cycle [a] 0 % U_T; 1 cycle 70 % U_T; 25/30 cycles [b] 0% U_T; 250/300 cycles [b]	0% U_T; 0.5 cycle [a] 0 % U_T; 1 cycle 70 % U_T; 25/30 cycles [b] 0 % U_T; 250/300 cycles [b]	Mains power quality should correspond to a typical commercial or hospital environment.

Guidelines and manufacturer's declaration – electromagnetic immunity			
The PST 500 operating table has been designed for operation in the electromagnetic environment described below. The operator or user must ensure that it is used in such an environment.			
Immunity testing	IEC 60601-1 test level	Compliance level	Electromagnetic environment – guidelines
Magnetic field with a supply frequency (50/60 Hz) as per IEC 61000-4-8	30 A/m	30 A/m	Magnetic fields for the network frequencies should comply with values commonly found in commercial and hospital environments.
a) at 0°, 45°, 90°, 135°, 180°, 225°, 270°, and 315° b) at 0° Comment: U_T is the AC mains voltage prior to applying the test level.			

Avoid environments with electromagnetic fields and interference stronger than those listed above.

Guidelines and manufacturer's declaration - electromagnetic immunity		
The PST 500 operating table has been designed for operation in the electromagnetic environment described below. The operator or user must ensure that it is used in such an environment.		
Immunity test	IEC 60601-1 test level	Compliance level
Conducted RF disturbance variables as per 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)]	3 V 0.15 MHz – 80 MHz 6 V in the ISM band between 0.15 MHz and 80 Mhz [a)]
Radiated RF disturbance variables in accordance with IEC 61000-4-3	3 V/m 80 MHz – 2.7 GHz	3 V/m 80 MHz – 2.7 GHz
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 the RF fields of wireless communications devices

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 15 Hz	1.8	0.3	26
450	430 – 470	GMRS 460 FRS 460	Pulse modulation FM ±5 kHz variation, 1kHz sine	2	0.3	28
720	704 – 787	LTE band 13, 17	Pulse modulation 217 Hz	0.2	0.3	9
75						
780						

Test frequency (MHz)	Band (MHz)	Service	Modulation	Max. power (W)	Distance (m)	Immunity level (V/m)
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
2450	2400 – 2570	Bluetooth WLAN 802.11 b/g/n RFID 2450 LTE band 8	Pulse modulation 217 Hz	2	0.3	28
5240 5500 5785	5100 – 5800	WLAN 802.11 a/n	Pulse modulation 217 Hz	0.2	0.3	9

13 Product certification

13.1 European Union

CE

The operating table is a Class I medical device according to Directive 2017/745/EU concerning medical devices, and is compliant with the version of the directive currently in force at the time of product sale. Trumpf Medizin Systeme declares the conformity of the operating table with the essential requirements according to Directive 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 confirms conformity with the CE marking.

14 Accessories

Trumpf Medizin Systeme offers a wide variety of additional accessories for the operating table. Not all products are available in all countries. More detailed information can be obtained from Trumpf Medizin Systeme's offices, which are located worldwide. Contact details are available online at www.trumpfmedical.com.

The combination of the operating table with the products listed has been tested by Trumpf Medizin Systeme and subjected to a declaration of conformity.

14.1 Manufacturer Trumpf Medizin Systeme

Product designation	Part number	Document number *1
Counter traction post holder	1643382	4990218
Counter traction post holder pivoted	1576816	4990218
Extension joint strut X-RAY adapter	1593158	4990213
Adapter for head positioning	1739994	4990098
Adapter for KIRSCHNER bow	1218837	4990273
Adapter for KIRSCHNER bow, single	4544784	4990273
Slider for plaster board	1386129	4990194
Spindle traction mechanism adapter	1593159	4990224
Adapter X-RAY 3-joint wide	1430024	4990190
Adapter X-RAY double joint wide	1312735	4990190
Adapter X-RAY wide	1312733	4990190
Extension pad II, pair	1594041	4990223
Anesthesia frame	1218820	4990622
Pull-out anesthesia frame	4544710	4990622
Mobile anesthesia frame	4544009	4990237
Anesthesia frame with extension	1294003	4990622
Extension pad TS7000 B	1886332	4990054
Arm holder 450 for lateral position	4549755	4990256
Arm holder 450 for lateral position T	1493532	4990256
Arm support 450	4549778	4990245
Arm support 450 T	1483379	4990245
Arm support, single-handed operation	4549528	4990294
Arm support device, single-handed operation T	1490931	4990294
Arm rest for surgeon, pair	4549767	4990300
Arm support, single-handed adjustment	4549529	4990294

Product designation	Part number	Document number *1
Arm support, single-handed adjustment T	1490933	4990294
Arm support pad 450	1341443	4990189
Arm support pad 450 T	1483383	4990189
Arm support table	4544772	4990277
Arthroscopy positioning set, single	4544534	4990268
Axillary support	1218848	4990263
Floor support	1218838	4990730
X-TRA safety strap	1582709	4990135
Body strap, pivoting	4544706	4990239
Body strap with locking clamp	4544702	4990239
Base holder for head collar system	4544786	4990169
Charging unit mobile AC TS7500	1557243	4990823
Charging unit mounted W/T AC TS7500	1451204	4990823
Charging unit mounted T DC TS7500	1537208	4990823
Clamp pair for joint plate Carbon	1272324	4990177
Radial positioning clamp	1218804	4990105
Collection pan	1218883	4990258
Condyle fixation device	1434382	4990261
Connector bracket	4544728	4990249
Connector bracket, single	1254739	4990295
Single connector bracket, offset	1305449	4990295
Connector bracket with joint	4544729	4990295
Connector bracket with joint, short	4544733	4990295
Counter traction post for upper arm positioning	4544765	4990275
Counter traction post	1218835	4990198
Counter traction post 150	1612706	4990217
Counter traction post 60	4544453	4990217
Counter traction post 80	4544449	4990217
Thigh counter traction with elbow joint	4544448	4990218
Lower leg counter traction	1576815	4990218
Counter traction post plaster	1386629	4990194
Counter traction post X-RAY	1574731	4990217
Coupling piece X-RAY low	1368880	4990190
Cross-connector	4544787	4990283
Fastening frame	4544436	4990288
Docking trolley extension unit	1867129	4990096
Docking trolley for MIS set	1867128	4990095

Product designation	Part number	Document number *1
Double joint strut, pair	4544466	–
Double joint strut, pair	1574734	4990213
Wash bowl	4544618	4990258 4990259
Wash bowl mount	4544619	4990284
Elbow rest for surgeon, pair	1218847	4990269
Extension adapter TS7000	1850992	4990054
Extension strut X-RAY, pair	1574735	4990213
Extension pad B	1902847	4990059
Pullout bar	1218831	–
Extension strut, long	1597669	4990213
Extension strut, medium	1597668	4990213
Extension strut, short	1597667	4990213
Extension trolley universal	1504928	4990209
Hand surgery table	4549735	4990255
Hand surgery table Carbon	1227687	4990185
Hand surgery table T	1504060	4990255
Slide handle	1321641	4990192
Head collar, single	4549730	4990251
Head collar, flat 20	1256701	4990175
Helmet for shoulder surgery	1296096	4990188
Horseshoe-shaped head rest, COMFORT	1537214	4990212
Horseshoe-shaped head rest, single-piece	4549731	4990252
Horseshoe-shaped head rest, dual-piece	4549732	4990253
Head rest X-RAY	1300662	4990190
Head section X-RAY narrow T	1424588	4990190
Head section X-Ray wide	1297207	4990190
Head section X-Ray wide T	1424577	4990190
Helmet X-RAY	1300663	4990190
Wall bracket for hand surgery table	1303645	4990255
Holder for remote control	1351241	4990193
Holder	4544759	4990257
Support device for arm and leg	1317577	4990189
Fixing point for upper arm positioning	1302539	4990297
Colonoscopy roll with side holder	4544761	4990106
Drip stand with 4 hooks	4544708	4990243
Instrument shelf	1286562	4990258
Side rail mount Carbon 520	1266934	4990177

Product designation	Part number	Document number *1
Knee support left	1395189	4990196
Knee support right	1395188	4990196
Side support 170	4544722	4990248
Side support 215	4544721	4990248
Side support 215, concave	4544764	4990248
Side support 85	4544723	4990248
Height-adjustable side support	1496430	4990205
Height-adjustable side support, concave	1496431	4990205
Side support, short	1436371	4990246
Leather extension sandal left	4544790	4990279
Leather sandal for extension, right	1232546	4990279
Goepel leg support	4544736	4990011
Goepel leg support for children	4544789	4990011
HEAVY T leg support	1506318	4990359
Leg support with loop, padded, pair	4544796	4990291
Leg support with loop, pair	1218811	4990363
Leg restraint, single-piece	1218828	4990299
Leg restraint, dual-piece	1218829	4990299
Meniscus positioning device	4544791	4990264
MIS-Hip-Device	1574732	4990215
Neuroadapter Carbon wide	1435067	4990058
Padded cuff	1358558	4990241
Pad protection	1756164	4990037
Padded roll 80 mm	1297245	4990297
Swivel side support pad	4544192	4990176
Transfer leg section	1876708	4990054
Transfer leg section pad	1891246	4990054
Pad transfer leg section B	1880219	4990054
Support pad hip	1593965	–
Support pad hip B	1880218	4990054
Support pad universal	1574668	–
Support pad universal B	1880217	4990054
Pelvis support	1386130	4990194
Large plaster board	4544458	4990194
Large plaster board, pair	1385776	4990194
Medium plaster board, pair	1385777	4990194
Pediatric plaster board	1474544	4990194
Small plaster board, pair	1386128	4990194
PVC extension shoes for adults	1217672	4990271
PVC extension shoes for children, pair	1218863	4990271

Product designation	Part number	Document number *1
Cassette slider	1256558	4990174
HEAVY radial positioning clamp	4544530	4990290
Clamp for extension strut	1218833	4990274
Head collar support	1317948	4990295
Vario head collar support	1300079	4990295
Retainer X-RAY	1345749	4990190
Side guard, pair	4544434	4990289
Side rail extension 160 U	1345696	4990265
Side rail extension H U	1260421	4990185
Side rail extension U	4501001	4990265
Side rail short U	1645032	–
Side rail straight U	4500166	4990281
Spindle traction mechanism	1218832	4990198
Spindle traction mechanism FR	1881967	4990092
WILSON V spine bridge	1790125	4990037
Support pole H	1232679	4990185
Arm restraint with Velcro fastener	4544703	4990240
Swivel adapter X-RAY	1317786	4990190
Traction boot	1574733	4990214
Traction boot for children	1610541	4990214
Traction unit for upper arm positioning	4544766	4990276
Component transport trolley, short	1504926	4990339
Universal strap and hand restraint	1346755	4990241
Universal lateral support, height-adjustable	4544719	4990247
Universal Seat OT	1576814	4990218
Universal seat	1876707	4990054
Upper arm pad	1297244	4990297
Upper arm pad, short	1322666	4990297
Weinberger hand restraint	1218836	4990267
Hand support stirrup	1240299	4990178
Cassette holder COMFORT	1305492	4990180
X-Ray Tops set U	2072443	4990835
Y fastening clamp	4544701	4990238
Y radial positioning clamp	4544700	4990238

*1 Document number of the associated instructions for use

14.2 Third-party manufacturers

Product designation	Part number
Head collar for adults	1218974
Leg support, left	1228196
Leg support, right	1228197
Skull clamp X-RAY	1317569
Universal OR mattress	1550656
OR mattress with urology cut-out	1550658
Pediatric vacuum cushion	1559987
Skull clamp X-RAY connecting piece	1835762
Skull clamp AL connecting piece	1866513
Face mask for head support	1891858
Strap for head support	1891859
Carbon arm support 50	1895202
Carbon arm support 75	1895203
SchureLoc Adapter	1905159
SchureLoc arm support	1905160
Arm protector with pad	1939050
Shoulder chair H	2009875
Arm support with trigger U	2013863
Arm support with trigger pad	2013865
Shoulder chair H with support	2065800
Skull pins for adults	4145420
Skull pins for children	4145421
Sterilization wire mesh basket 1/2	1215712
Sterilization wire mesh basket 1/1	1215760
Bilateral hook trolley	1218493
Unilateral hook trolley	1218503
Surgeon's double mounting step 220/440	1218784
Clamp for leg holder	1228198
Vacuum pump	1559988
Repair set for vacuum cushions	1559989
Shoulder Chair Dolly TS7000	1891860
SchureLoc XPS Kit (EU)	1908095
Lower body table shield	1946701
Wide lift-off top shield 27	1946702
Wide lift-off top shield 57	1946703
Low revolving stool	2000037
Arm support with trigger	2013862
Arm support with trigger J	2013864
Surgeon's mounting step 300	2066074
Trolley OPT accessories	2067670
Arm support lateral w/ quick fixation	2068136

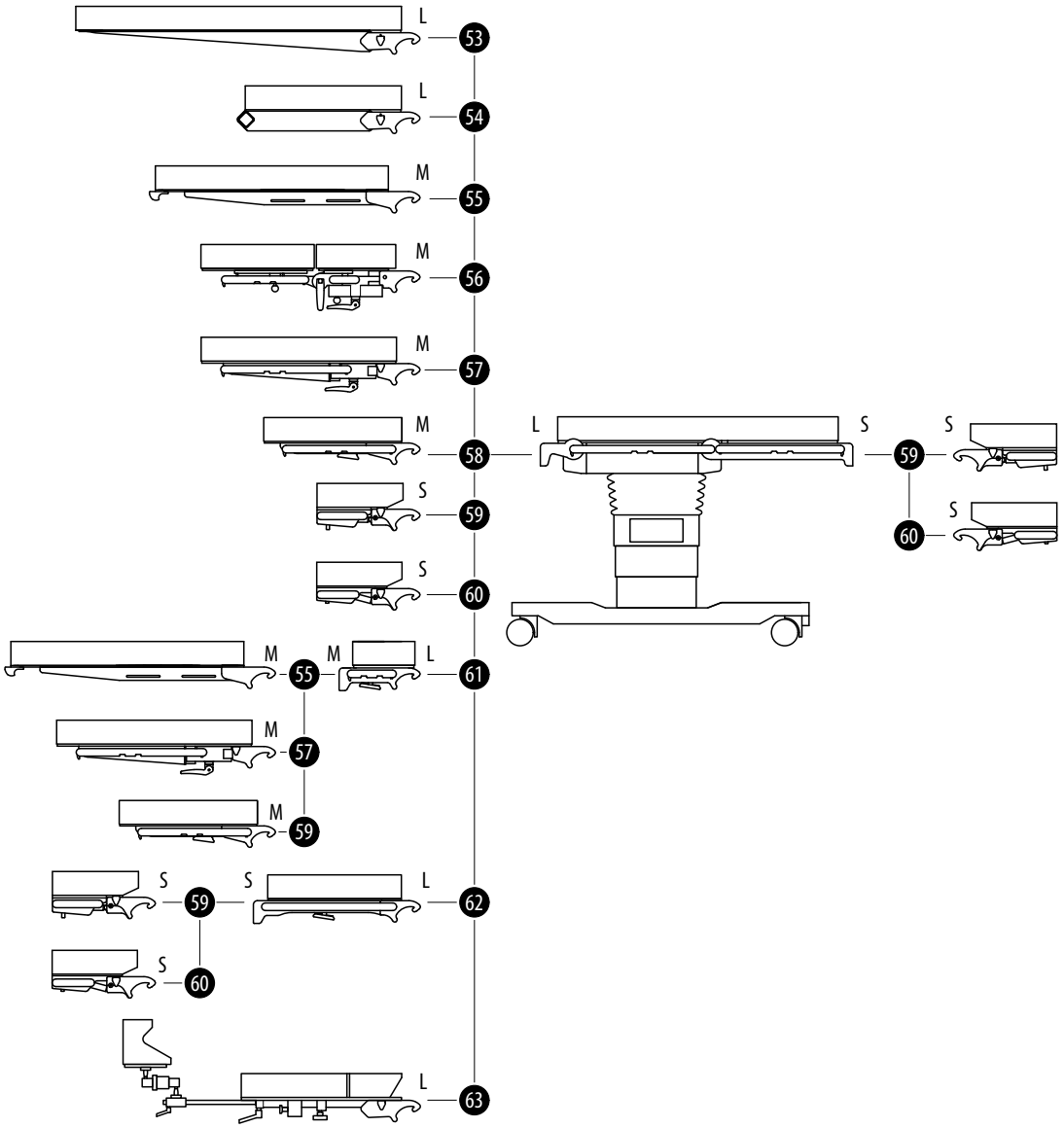
Product designation	Part number
Arm support vertical w/ quick fixation	2069306
Transport cart for hook components	2069425
Arthroscopy positioning Device	4544664
Support for operating table accessories	4544725

15 Combinations of operating table and tabletop sections

Trumpf Medizin Systeme offers a wide variety of additional tabletop sections the operating table. Not all products are available in all countries. More detailed information can be obtained from Trumpf Medizin Systeme's offices, which are located worldwide. Contact details are available online at www.trumpfmedical.com.

The combination of the operating table with the products listed has been tested by Trumpf Medizin Systeme and subjected to a declaration of conformity.

The following illustration shows the tabletop sections that can be attached at the head or foot end of the operating table. The possible configuration of the operating table is defined by the hook couplings. The hook coupling type is specified on each tabletop section in the diagram (S, M, or L). The coupling points are described in Section 5.3.



Item	Product designation	Part number
[53]	Table top segment Carbon1200 H V	1850989
	Pad TTS Carbon one part B	1873466
[54]	Carbon 600 tabletop section H V	1739992
	Pad TTS Carbon 600 H B	1770133
[55]	Single-part, lightweight leg section H V	2012543
	Pad leg section, single-part, lightweight H B	1783522
[56]	Leg section four parts spreadable H V U	1853829
	Pad leg section, four parts H B	1851579
[57]	Two-part leg section spreadable H U V	1739991
	Pad leg section, two parts H B	1809671
[58]	Single-part leg section H U V	1739969
	Pad leg section, single-part H B	1756392

Item	Product designation	Part number
[59]	Head section double joint H U V	1853828
	Pad head section H B	1764878
[60]	Single-joint head section H U V	1769761
	Pad head section H B	1764878
[61]	Seat section extension H V U	1909820
	Pad seat section extension H B U	1909819
[62]	Universal section H V U	2072445
	Universal plate pad H B	2072448
[63]	Shoulder chair H	2009875

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