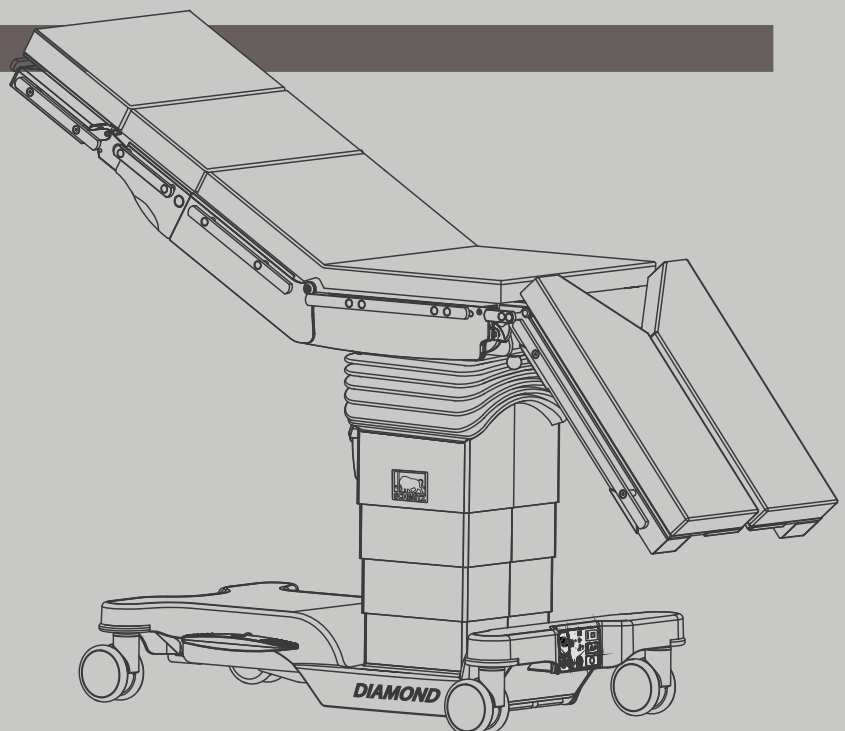




Diamond operacinio stalo vartotojo vadovas 1-78 psl.

Operating manual Operation Table DIAMOND



This operating manual gives instructions regarding the use of
the operation tables

DIAMOND 50 BK 170.10.550

DIAMOND 60 BG 170.10.640

DIAMOND 60 BLK 170.10.600

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Introduction

About this manual

In this section, you will find information about the structure of this manual, as well as explanations of the icons and symbols used in the text.

This operating manual gives instructions regarding the use of the operation tables of the DIAMOND series; also named operation table in the following.

This operating manual may contain inaccuracies or printing errors. The information provided here is updated periodically and changes are incorporated in later issues in the course of product modifications. Thus, changes or improvements are possible at any time without previous announcements. If you have any questions, please contact our customer service.

Any person using the operation table must have read the operating manual and observe the instructions.

In addition to the instructions in this manual and any binding regulations for the prevention of accidents in the country and at the location of use, observe accepted rules for safe and professional work.

Symbols used in the text

This manual uses the following terms and symbols for particularly important information.



Danger!

This symbol indicates safety instructions warning of risks to personal health and safety. It indicates imminent danger of death or serious injury.



Caution!

This symbol indicates possibly hazardous situations that may result in light injuries.



Attention!

This symbol indicates hazards possibly resulting in damage to the equipment or other items.



This symbol indicates additional helpful information.

- A dot in front of the text means:
Perform this action.
- A dash in front of the text means:
This is part of a list.

General safety instructions

The operation table is built according to the state of the art and complies with accepted safety rules. However, its use may present risks to the life and health of the user or third parties, or of damages to the operation table or other property.

Only use the operation table if it is in good repair and only for the intended use, with regard to safety and possible dangers, and observing the instructions in this manual. Promptly repair any defects that could possibly affect safety.

Standard equipment for the operation table includes conductive double castors, conductive padding and a potential equalisation. With a conductive floor, the operation table may be used in areas where explosion is a danger.

Always keep this manual readily accessible at the location of use of the operation table. In addition to this manual, observe any applicable environmental and accident prevention rules, legal or otherwise.

Do not modify the operation table, and do not attach parts unless explicitly approved by the manufacturer. Spare parts must comply with the requirements stipulated by the manufacturer. This is always guaranteed when using original spare parts.

Observe the specified inspection intervals.

Ensure safe and environmentally sound disposal of operating materials, accessories, and replaced parts.

Intended use

The operation table serves to temporarily support the patient during an examination or during medical operations. It is exclusively intended for human medical uses.

The DIAMOND series operation tables are constructed for a secure workload up to 360 kg. The secure workload is the combination of the patient's weight as well as possible extra accessories and side rail accessories. The operation tables may be operated inside rooms for medical use of the application groups 0, 1 and 2 according to DIN VDE 0100-710. Their electrical installation must meet the regulations of the VDE 0100-710:2004-06 or the IEC 60364-7-710:2002.

The user of the operation table must be instructed in the proper use. The operation table may only be used in complete accordance with the operating manual.



Use as intended includes compliance with the instructions in this manual and observing the inspection intervals.

Carriage

The carriage of the DIAMOND series operation table serves to transport the table and the patient prepared for the operation within the operating department of the clinic.

Hydraulic or mechanical back section adjustment

The back section adjustment serves to set the angle of the back section.

Accessories

The operation table can be modified to meet special demands with comprehensive accessories. The Schmitz accessory has been designed and developed especially for the operation tables. Verify the suitability of third party accessories with the manual and the intended use. Schmitz u. Söhne will not accept liability for property damages or personal injuries caused by third-party accessories or non-compliance with the intended use.

Head plate, double swivelling

The head plate serves to support the patient's head during the operation as well as during anesthesia and recovery. The head plate can be attached at the head- and foot-end accessories mounts of the OPX III series as well as on the bed surface extension. Any use apart or beyond this purpose is not intended.

Shoulder arthroscopy plate for the hydraulic leg plate adjustment

The shoulder arthroscopy plate serves to support the patient during the operation in the head and shoulder area as well as during anesthesia and recovery. Any use apart or beyond this purpose is not intended.

The shoulder arthroscopy plate is meant for patients weighing up to 225 kg. The shoulder arthroscopy plate is inserted in the mount of the hydraulic leg plate adjustment and fixed. Thus, the angle of the shoulder arthroscopy plate can be adjusted with the hydraulic leg plate position.

The shoulder arthroscopy plate features mounts at the head end for spacer pieces, head calottes and head plates.

To improve the accessibility of the shoulder area, two padding segments can be removed as needed during the operation and also be reattached.

The shoulder arthroscopy plate is inserted in the hydraulic leg plate adjustment and fixed. Under no circumstances may it be attached to the back section of the operation table. This usage is not as intended.

Gynaecology adapter

The gynaecology adapter serves to support the patient during operations as well as during anesthesia and recovery. It extends the bed surface in the direction of the seat. The gynaecology adapter is inserted in the seat-sided accessory mount of the bed surface. It may not be attached to the back section; this purpose is not intended.

In connection with the hydraulic leg plate adjustment, the gynaecology adapter can be tilted intra-operatively with regards to the rest of the bed surface.

The gynaecology adapter is X-ray transmissive. It features side rails for mounting of leg support systems. On the front end, the gynaecology adapter is suitable for mounting of transfer leg plates.

The gynaecology adapter is designed for patients weighing up to 285 kg. In connection with the hydraulic longitudinal adjustment as well as the transfer leg plates, the permitted patient weight is reduced.

Urology adapter

The urology adapter serves to support the patient during operations as well as during anesthesia and recovery. It extends the seat section in the direction of the seat. The urology adapter is inserted in the accessory mount on the sitting side of the bed surface. It may not be attached to the back section; this purpose is not intended.

In connection with the hydraulic leg plate adjustment, the urology adapter can be tilted intraoperatively with regards to the rest of the bed surface.

If the metal basin under the bed surface is omitted, the urology adapter is radio-opaque. The urology adapter features side rails for mounting of leg support systems. On the front end, the urology adapter is suitable for mounting of elbow rests and transfer leg plates.

The urology adapter is designed for patients weighing up to 285 kg. In connection with the hydraulic longitudinal adjustment as well as the transfer plates, the permitted patient weight is reduced.

Transfer leg plate

The transfer-leg plate serves to support the patient's legs during anesthesia and recovery and during patient transport with the operation table. The transfer leg plates are reliably designed for patient body parts weighing up to 225 kg. A urology adapter or a gynaecology adapter can be attached to the front end. Any use apart or beyond this purpose is not intended.

Extension device

The extension device serves to support the patient during the treatment of fractures of the lower limbs during operations as well as during anesthesia and recovery. In addition to the actual extension during the treatment of fractures, the extension device also provides access for intra-operative X-ray of the respective body parts in two axes.

The extension device is connected to the operation table by a holder mounted at the front side in the area of the lifting column. It features braces on the ends of the drawbars. These rests have to be used on a patient weighing more than 135 kg.

Patients weighing more than 135 kg may not be transported on the operation table with built-in extension device. This usage is not as intended.

The operation table may only be handled by persons who have been briefed in its proper handling and who have familiarized themselves with the product by means of this operating manual.

Safety instructions summary



Danger!

Unsecured patients can fall off the operation table. Properly fasten patients on the operation table.



Danger!

If the patient is positioned incorrectly, breathing, nerve tracts and circulation may be impaired. Position the patient so that there is no danger to breathing, nerve tracts or circulation.



Danger!

If the shoulder arthroscopy plate is inserted into the back section, then the stability of the operation table is insufficient. Attach the shoulder arthroscopy plate only to the seat's leg plate adjustment.



Danger!

On non-conductive floors, anaesthetic gases can ignite due to electrostatic charges in explosive areas. Use the operation table only on conductive floors.



Danger!

If bed surface components collide with an obstacle when being adjusted, the operation table may topple over and be damaged or persons can be injured. Remove obstacles before you adjust the operation table or individual components. Adjust the leg plate only so far down that it does not touch the floor.



Danger!

Accidental adjustment of the accessories can lead to patient injury. Worn accessories may shift unexpectedly. Do not use worn or damaged accessories. Have the operation table and the accessories inspected regularly. Please see the "Inspections" on page 53 for more information.



Danger!

Activated RF surgical devices can cause failure or malfunction on the operation table and other products due to improper handling. Please observe the respective instructions of the manufacturers of RF surgical devices. Switch off the electronic control of the operation table while employing RF surgical devices.



Danger!

If RF current unintentionally flows from activated RF surgical devices, the patient risks getting burned. Patients should therefore have no contact with objects that can conduct electricity, such as the metal parts of the operation table. Lay out a water-proof film, if cloths become wet during operation.



Caution!

If the operation table is standing on a wet or freshly cleaned floor, the frictional forces are reduced. It can slide due to external forces despite locked castors. Patients can be endangered because of that. Make sure before the operation that there is sufficient stability of the operation table.



Caution!

The unlocked operation table may roll away unintentionally and thus endanger the patient. Always lock the castors when you are not moving the operation table.



Caution!

Greater bulges of the kidney/body elevator are uncomfortable for the patient. To ensure a comfortable position, do not raise the kidney/body elevator too much. Use additional padding in case of greater bulges for gentle support of the patient.



Caution!

Finger and hands can be jammed when the kidney/body elevator is lowered. Be sure when lowering the kidney/body elevator that there are no limbs in the area between the rest plate and back frame.



Caution!

In case of extreme bed surface adjustment, there is a risk of getting jammed at certain positions. Do not reach under the operation table or behind the upper section frame.



Caution!

There are unsecured jamming points under the operation table. Do not reach underneath the operation table during adjustment.



Caution!

A plugged-in power cable can be ripped off or get damaged in case it is not disconnected before moving the operation table. Remove the power cable before moving the operation table.



Caution!

Improperly fastened accessories can loosen unintentionally from the side rail. Make sure that the accessories are properly fastened.



Attention!

At low height in combination with extreme Trendelenburg position and lateral position, the column cover or the foot cover can be damaged. Avoid awkward settings of swivel angles and heights.



Attention!

The padding will warp permanently if exposed to excessive heat. Do not use hot steam to sterilise the operation table including the padding.



Attention!

Abrasive cleaning agents may damage the padding surface. Do not use abrasives for cleaning.



Attention!

When the operation table is adjusted while the back section or the leg plates are tilted down, these components can contact the cover of the sub-frame and damage it. Make sure before adjusting the table surface that there is enough space available.



Attention!

Skin antiseptics may cause the padding to become discoloured. Remove skin antiseptics from the padding to prevent discolouration.



Attention!

The shoulder arthroscopy plate is fastened to the leg plate adjustment of the operation table. Parts of the joint can be damaged thereby if it is overloaded. The shoulder arthroscopy plate is permitted for patients weighing up to 225 kg.



Attention!

Alcoholic agents damage the padding's cover (hardening and tears). Do not use these agents for cleaning or disinfection.



Attention!

The padding may become damaged by excessive use of disinfectant. Use cleaning agents for cleaning and disinfectants for disinfecting. Do not use disinfectants for cleaning.



Attention!

Sharp objects may damage the padding. Be careful with sharp objects. Immediately replace damaged padding for reasons of hygiene.



Attention!

There is a risk of a defect in the electronic components, if the operation table is operated at the wrong voltage or if the operation table is operated with defective power sockets, with substandard power cables, multiple outlet power strips or extension cables. The mains voltage has to match the voltage that is specified on the nameplate of the operation table. Connect the operation table only to a flawlessly installed power socket. Use only the supplied or an equivalent power cable. The power cable should feature the national or international mark of conformity. Inspect the condition of the power cable for damages. Do not use multiple outlet power strips or extension cables.

**Attention!**

Due to wrong mains fuses there is a risk of a device defect. Mains fuses may only be replaced by a professional technician. Only replacement fuses may be used that match the values specified on the operation table's control panel. After the replacement of a fuse, the device needs to be subjected to a function test.

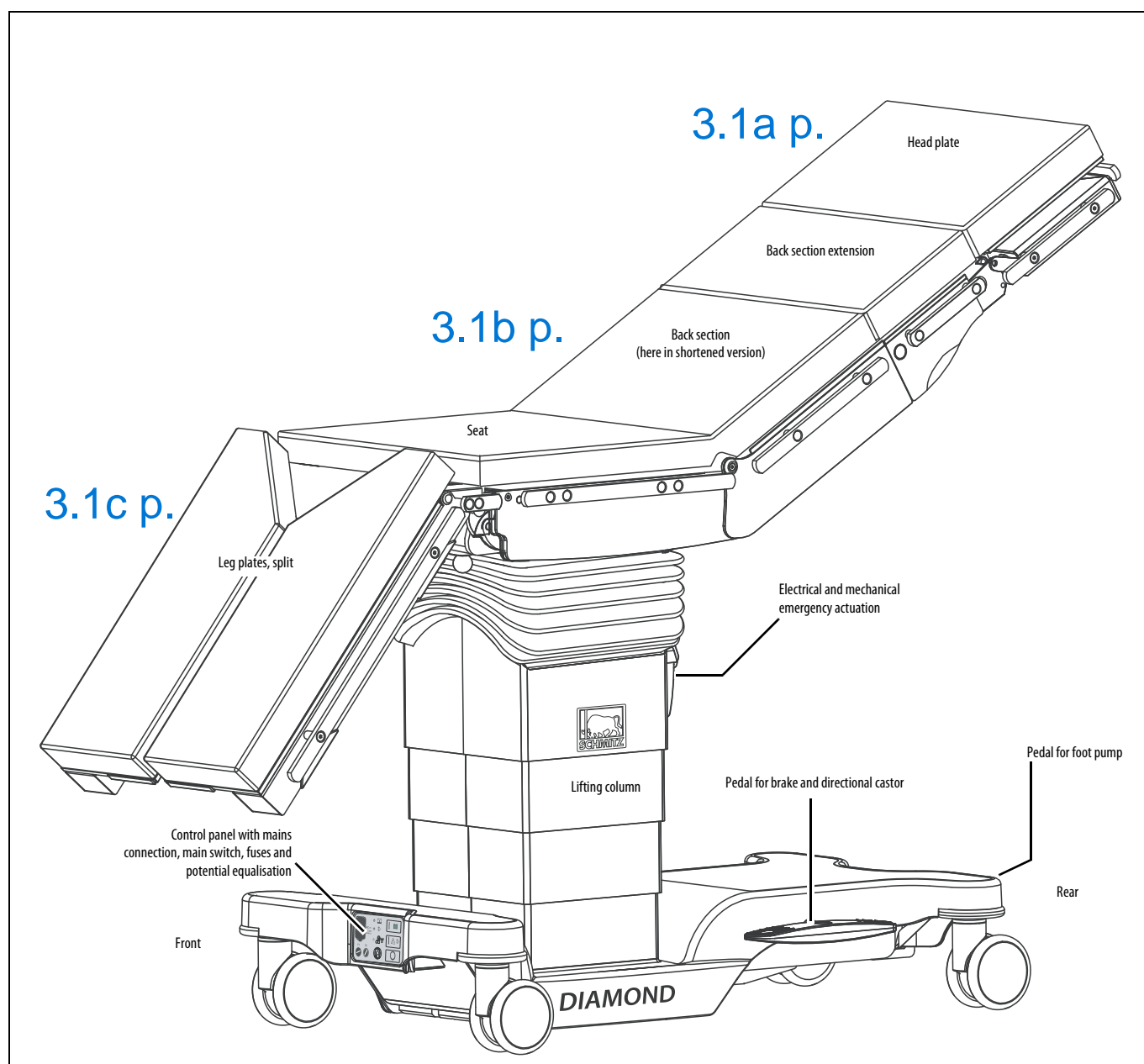
**Attention!**

If the operation table was transported or stored at a certain temperature, then it needs a certain time and temperature to get acclimated. If the acclimation time is too brief or at unsuitable temperatures, then the operation table may be damaged and fail. Acclimate the operation table after great temperature fluctuations for at least 12 hours.



If the load is great, the handling characteristics change. If the load is great or under difficult conditions, move the operation table with two people.

Description of the appliance



The pedals for the foot pump are located in back. The terms left, right, front and back will be used in the this manual correspondingly.

Description of the appliance

The operation tables are equipped differently depending on the model.

All operation tables are mobile. They are equipped with electrically conductive double castors and an auxiliary directional castor as well as a central lock that can be switched as well.

The operation tables contain an electrical hydraulic pump that is powered by batteries or the mains voltage and an additional hydraulic pump that is operated by the foot.

The angle of the back section is adjusted hydraulically.

All operation tables can be equipped with accessories to optimise them for various applications.

The operation tables are designed according to the EN 60601-2-46 for a reliable workload of 360 kg. The components as well as the accessories with the least permissibly reliable workload are crucial to the safe workload at certain positions.

The operating table is operated by the provided handheld controller, a foot controller or a radio control. In case the normal control unit is not within reach, the operation table can still be adjusted with an electrical emergency operation that is mounted to the table. In case the electronic completely fails completely, the adjustment functions can still be carried out manually.

Padding

The operation tables are equipped with black, anti-static padding. The padding cover consists of fabric, coated with polyurethan, which can be cleaned easily. The paddings fulfil the conditions of the ISO 2878 in connection with DIN EN 60601-1 and DIN EN 60601-2-46.

The foam core consists of two layers that form around and bed the body of the patient due to body heat and gentle pressure. At the same time, the foam saves the temperature and prevents the chilling of the patient.

Safety devices

Electrical emergency operation

The operation table features an additional electrical emergency operation. This control unit is connected by a cable to the operation table. It is operated just like the normal handheld controller.

Manual emergency operation system

The operation table is equipped with a further emergency operation system with which the operation table can continue to be operated even if the electronics fail completely. The hydraulic adjustment functions can be selected manually and then be carried out with two pump pedals.

Commissioning

Storage

In its original packaging, the operation table may be exposed to the following ambient conditions for a period of 15 weeks:

Ambient temperature	-5°C–+50°C
Relative humidity	10%–95%
Barometric pressure	500 hPa–1060 hPa



Attention!

If the operation table was transported or stored at a certain temperature, then it needs a certain time and temperature to get acclimated. If the acclimation time is too brief or at unsuitable temperatures, then the operation table may be damaged and fail. Acclimate the operation table after great temperature fluctuations for at least 12 hours.

Transport

The operation tables are packed ready for shipment when they leave the plant. If transported again later, it is recommended to set to the same position.

- If you wish to transport the operation table, set the seat and back sections horizontal.
- Remove the head plate and leg plate and disassemble further accessories.
- Lower the operation table as far as possible.

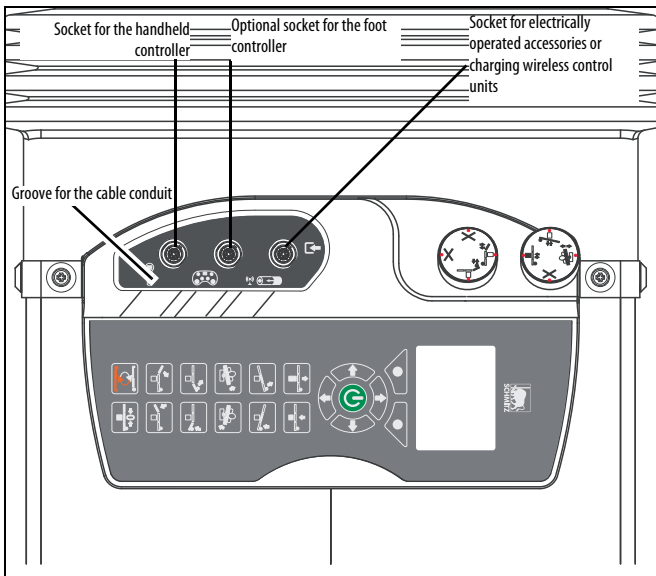
Unpacking

If possible, transport the operation table to its final location in its original packaging. Inspect the condition of the operation table.

Report any transport damages immediately. Contact either your authorised partner or Schmitz u. Söhne; please see the last page of this manual for the address and phone number.

Connecting the handheld controller and foot controller

A mount for the electrical emergency operation is located on the back side of the lifting column. In the top left of the encasing, there are sockets for the handheld controller, optionally a further socket for the foot controller as well as a socket for the electrically operated accessories or for charging wireless control units.



Plug the plug connection of the handheld controller into the left socket. If you wish to connect a foot controller, plug the plug connection into the middle socket.

Plug and socket are marked with dots. The plug snaps into the socket when it is pressed into the socket, dot over dot. You can orient yourself by the grooves for the cable conduit.

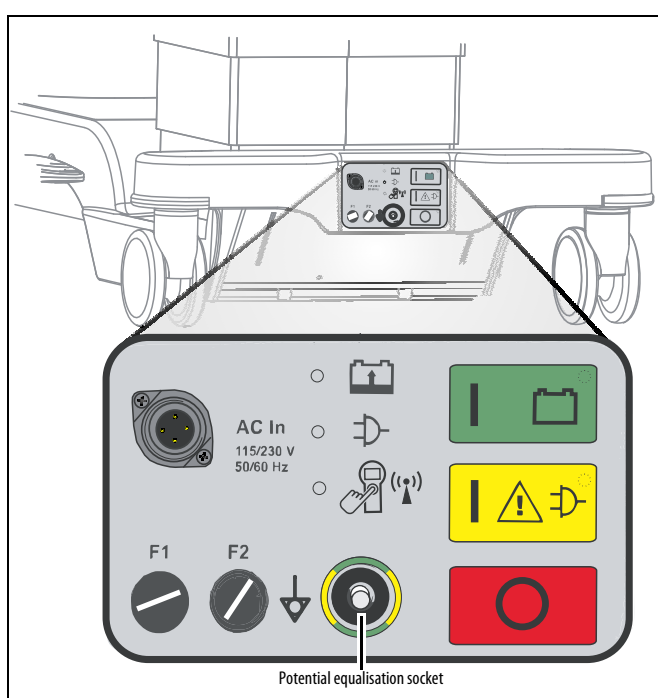
- If you want to connect the handheld controller, insert the plug into the socket so that the marking dots are aligned above each other and press the plug into the socket until it snaps in.
- When you want to disconnect the handheld controller, pull the front sheath of the plug back.

Connecting the potential equalisation

The operation table is equipped with a potential equalisation socket. This is located on the control panel on the front of the carriage.



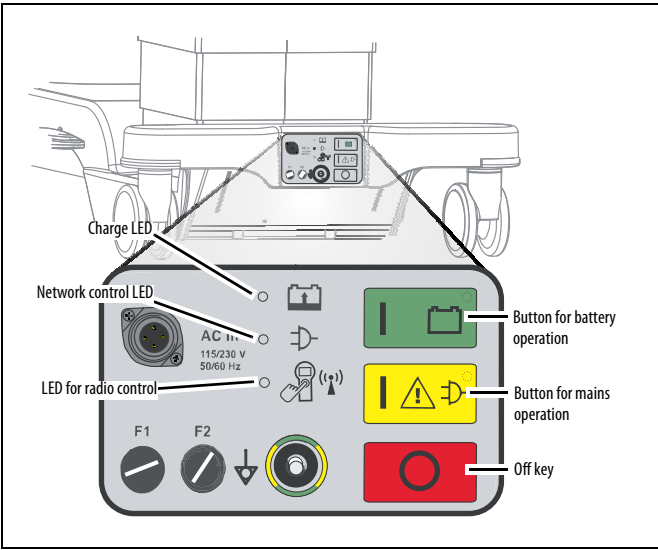
Electric charges are discharged via the potential equalisation socket. Always connect the potential equalisation before you use the operation table.



- Connect the potential equalisation socket with the potential equalisation intended for that before you use the operation table.

Charging the internal batteries

The operation table has internal batteries. These should be completely charged, so as to work without limitations to the operation table's functions. The internal batteries are charged, while the operation table is switched off and the mains voltage is still connected. Only use the power supply cable provided for connection.

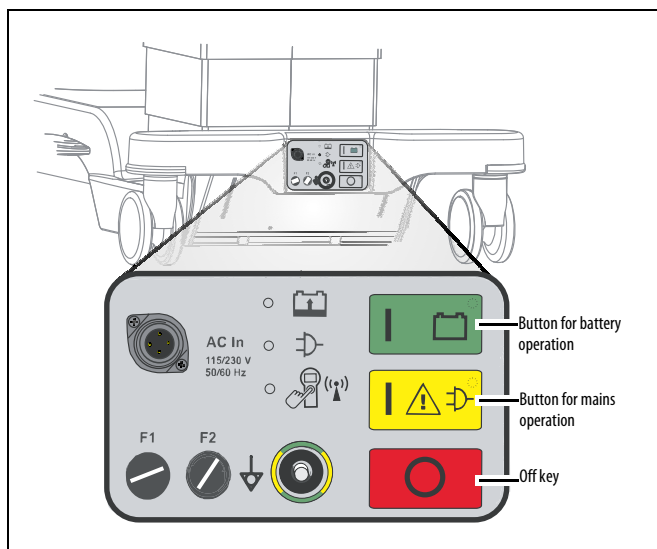


- Connect the operation table to the mains voltage.
- Press the Off key on the control panel with the ring circle symbol.

The white mains control LED lights up when the mains voltage is on. When the operation table is switched off then, the internal batteries can be charged. The charge LED next to the batteries symbol indicates the current charge mode.

Indication of the charge LED	Mode
LED slowly flashes.	Batteries are charging.
LED remains lit.	Batteries are charged; the charging process is completed.
LED flashes rapidly.	Malfunction of the charge procedure.

Switching on



When the operation table is connected to the mains voltage, the white mains control LED next to the power plug symbol lights up to indicate that the operation table is properly connected to the mains.

The internal batteries should be completely charged.

See "Charging the internal batteries" on page 18 for further details.

If the operation table is not connected to the mains voltage, only the convenient battery operation can be chosen. If the operation table is, however, connected to the mains voltage, the additional slow mains operation via the mains can be chosen.

- Press the respective key to switch on.
- A coloured LED lights up in the selected key: green for battery mode or yellow for the mains mode.
- Afterwards, activate the operation table; press the activation key for the handheld controller, foot controller or emergency operation.

The operation table can now be adjusted with in 15 seconds. See "Adjusting the patient position" on page 26 for details.

- To switch off the operation table, press the OFF key on the control panel with the ring circle symbol.

Operation



Danger!

If the patient is positioned incorrectly, breathing, nerve tracts and circulation may be impaired. Position the patient so that there is no danger to breathing, nerve tracts or circulation.



Danger!

Unsecured patients can fall off the operation table. Properly fasten patients on the operation table.



Danger!

Activated RF surgical devices can cause failure or malfunction on the operation table and other products. Please observe the respective instructions of the manufacturers of RF surgical devices. Switch off the electronic control of the operation table while employing RF surgical devices.



Danger!

An activated RF surgical device can unintentionally release RF current. There exists a hazard of burning for patients. Patients should therefore have no contact with objects that can conduct electricity, such as the metal parts of the operation table. Lay out a water-proof film, if cloths become wet during operation.



Attention!

There is a risk of a defect in the electronic components, if the operation table is operated at the wrong voltage or if the operation table is operated with defective power sockets, with substandard power cables, multiple outlet power strips or extension cables. The mains voltage has to match the voltage that is specified on the nameplate of the operation table. Connect the operation table only to a flawlessly installed power socket. Use only the supplied or an equivalent power cable. The power cable should feature the national or international mark of conformity. Inspect the condition of the power cable for damages. Do not use multiple outlet power strips or extension cables.



Attention!

Due to wrong mains fuses there is a risk of a device defect. Mains fuses may only be replaced by a professional technician. Only replacement fuses may be used that match the values specified on the operation table's control panel. After the replacement of a fuse, the device needs to be subjected to a function test.



Attention!

If the operation table was transported or stored at a certain temperature, then it needs a certain time and temperature to get acclimated. If the acclimation time is too brief or at unsuitable temperatures, then the operation table may be damaged and fail. Acclimate the operation table after great temperature fluctuations for at least 12 hours.



Attention!

The operation table recognises a risk of collision only for the default configuration; other configurations are not always registered. Even though a warning is not indicated on the display, a collision can still occur. Always monitor the operation table when you trigger a movement.

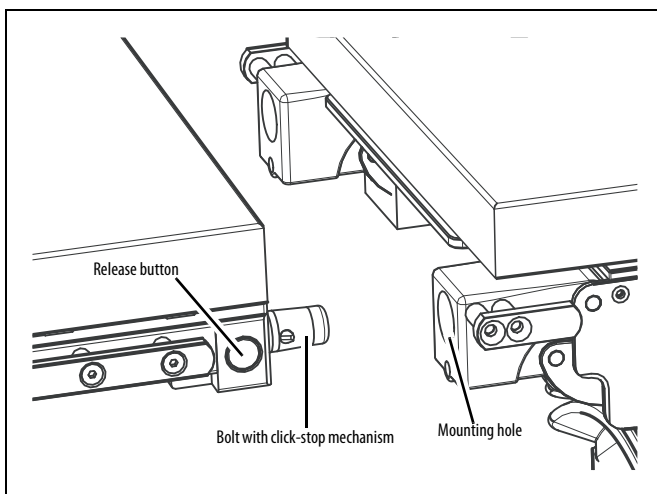


If the load is great, the adjustment speed of the operation table is altered. Before using it, get yourself acquainted with the behaviour of the operation table under these conditions.

Attaching accessories

Attaching accessories in the accessory mounts

To adapt the operation table to different usages, accessories are fastened to the operation table, for example head plates to the back section or leg plates at the seat. To securely fasten these accessories to the operation table, the accessories have bolts that snap into the corresponding mounting holes. To take the accessories back off, the locks are released by a release button.



- To fasten, insert the bolt of the accessories into the corresponding mounting hole until it snaps in audibly.
The release button pops out thereby, showing that the accessory is securely fastened.
- Check that the fastening is secure then.

- To take the accessory back off, press the release button in while pulling off the accessory.

Moving and locking the operation table

All operation tables are mobile. They have four castors, an auxiliary directional castor and a central lock.



Caution!

The unlocked operation table may roll away unintentionally and thus endanger the patient. Always lock the castors when you are not moving the operation table.



Caution!

A plugged-in power cable can be ripped off, if the operation table is relocated. Make sure that the power cable is removed before moving the operation table.

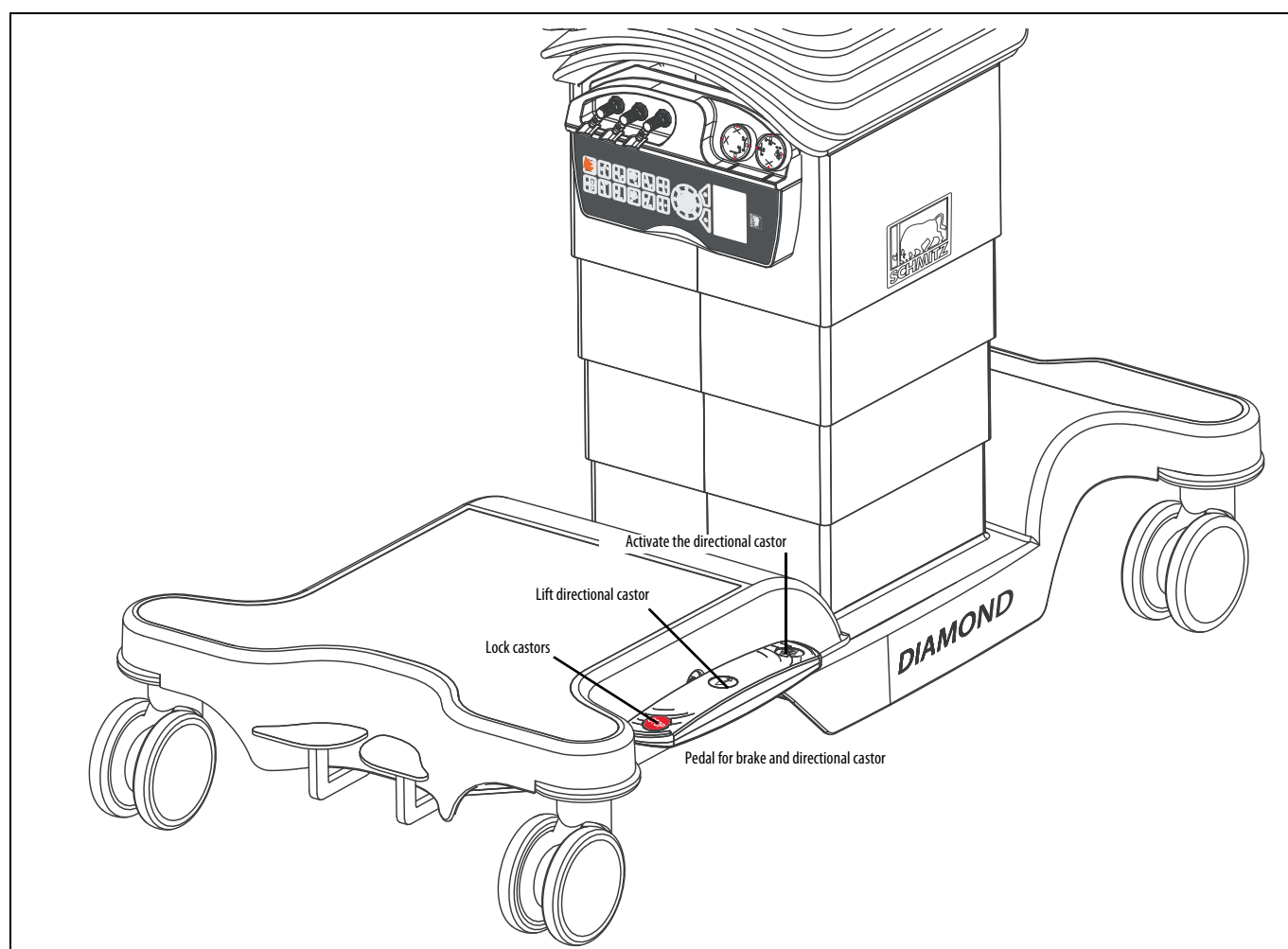


Caution!

If the operation table is standing on a wet or freshly cleaned floor, the frictional forces are reduced. It can slide due to external forces despite locked castors. Patients can be endangered because of that. Make sure before the operation that there is sufficient stability of the operation table.



If the load is great, the handling characteristics change. If the load is great or under difficult conditions, move the operation table with two people.






Operation


The operation table is equipped with four centrally lockable castors and an additional directional castor. The following functions can be set with the pedals for brake and directional castor:

- Lock castors.
- Add on the directional castor to stabilise the direction of the operation table.
- Raise the directional castor to move the operation table sideways.

The operation table has a left and right pedal connected together for brake and directional castor. The function of the operation table depends on the position of the pedals. The functions are identified by symbols.

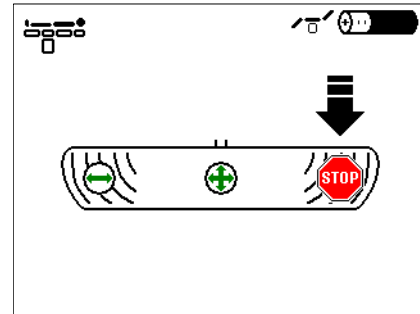
Lock castors	Directional castor lifted	Directional castor added on
		
The pedal is pressed in back. All castors are locked. The operation table is secured against rolling away accidentally.	The pedal is horizontal. The directional castor is lifted. The operation table can be pushed in all directions.	The pedal is pressed in front. The directional castor is set onto the ground. The operation table can be moved straight ahead and be steered easily.

- If you want to lock all castors of the operation table, then press down the rear pedal.
- If you want to move the operation table sideways, position the pedal for brake and directional castor horizontally.
- If you want to move the operation table straight ahead and steer easily thereby, press down the front pedal.

 If the load is great, the handling characteristics change. If the load is great or under difficult conditions, move the operation table with two people.



Patients may not be operated on if the operation table is not secured. If the operation table is not locked, but an adjustment on the control unit is called anyway, the movement of the operation table is delayed by 2 seconds; simultaneously a picture in the display prompts that the operation table should be locked.



The reaction indicates the diminished secureness of the operation table, but does not prevent an adjustment.

Patient support and transfer

Use the conventional transfer aids.

Secure the operating table before transporting patients or letting patients mount the table.

Only let the patients mount at the seat, so as to avoid overloading the head and seat leg plates.

Make sure that the operation table is functioning properly before the patient mounts the table.

Adjusting the patient position

Switching on the operation table

If the operation table is connected to a control unit, switch on the main switch on the control panel of the operation table. The operation table's control runs through a self-test, which takes about 1 second. At which time only selector switches can be selected.



If available, call up the numerical codes for the current status messages with the left selector switch.

System Codes	
1. No. 22	
2. No. 12	
3. No. 43	



Information on the current software version can be called on with the right selector switch.

Software Versions	
Power Supply	1.00
Main Control	1.00
Pump and Valve Control	1.00
Sensor Control	1.00
Hand Control Unit	1.01
Auxiliary Control Unit	1.01
Foot Control Unit	1.01



Danger!

If the patient is positioned incorrectly, breathing, nerve tracts and circulation may be impaired. Position the patient so that there is no danger to breathing, nerve tracts or circulation.



Danger!

If bed surface components collide with an obstacle when being adjusted, the operation table may topple over and be damaged or persons can be injured. Remove obstacles before you adjust the operation table or individual components. Adjust the leg plate only so far down that it does not touch the floor.



If the load is great, the adjustment speed of the operation table is altered. Before using it, get yourself acquainted with the behaviour of the operation table under these conditions.

Setting with the handheld controller

Once the self-test has been conducted without a problem after the switching on, you can activate the handheld controller. Press the activation key on the handheld controller for this.

As long as the handheld controller is activated, the keys are lit and the display presents the operation table symbol in the centre. The position mode is displayed in the top left in the display. The orange position symbol in the display indicates the reverse position and the black position symbol indicates the normal position. The charge status of the batteries is indicated in the top right of the display. Additional functions are displayed at the bottom edge of the display should your operation table be equipped with such. In the following example, the kidney/body elevator symbol is shown on the left and the longitudinal adjustment symbol is shown on the right.

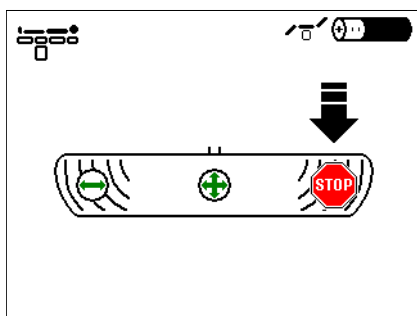
These additional functions can be selected by the selector switches under the display and be controlled by the direction keys that are arranged circularly around the activation key.



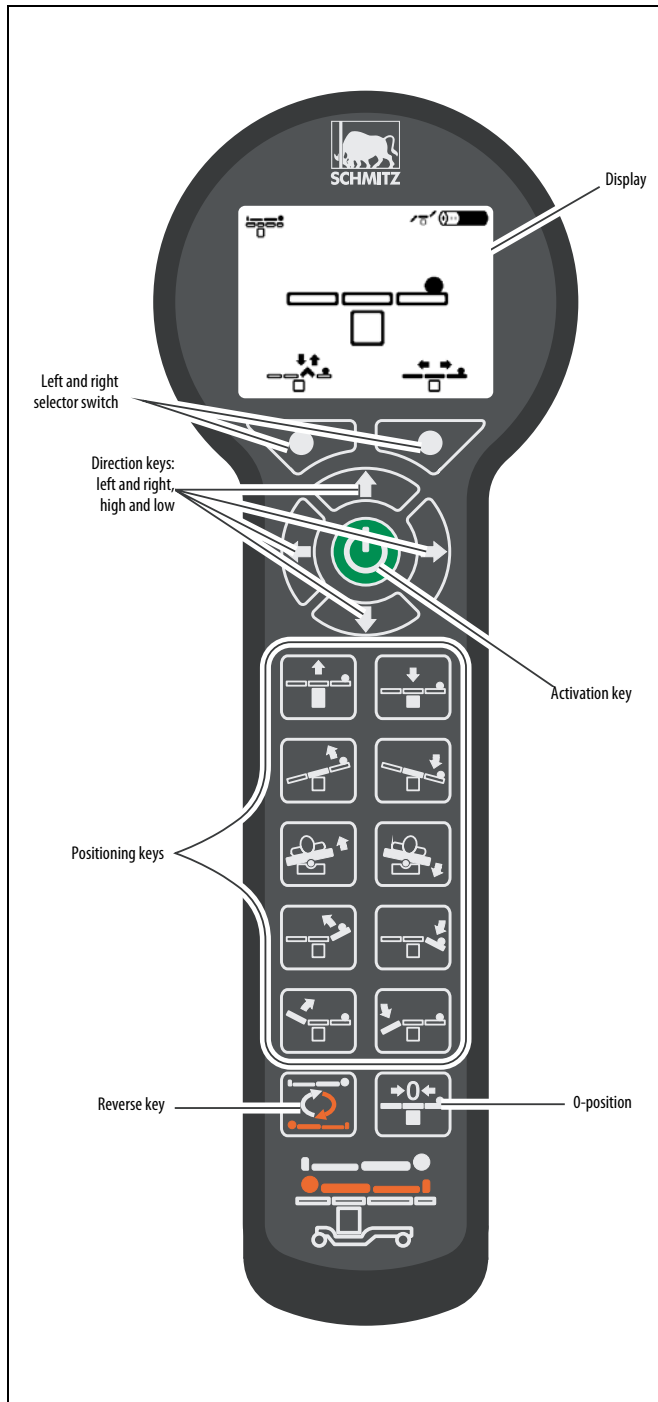
15 seconds after the last key has been pressed, the operating elements (handheld controller and foot controller) deactivate themselves; this avoids an accidental shifting of the operation table.



Patients may not be operated on if the operation table is not secured. If the operation table is not locked, but an adjustment on the control unit is called anyway, the movement of the operation table is delayed by 2 seconds; simultaneously a picture in the display prompts that the operation table be locked..



The reaction indicates the diminished secureness of the operation table, but does not prevent an adjustment.



Reverse position

For certain medical practices, patients can be positioned on the operation table in the reverse position. So that the true-sided operation of the lateral and Trendelenburg adjustment as well as the back section adjustment and leg plate adjustment is possible, the key assignment can be reversed by the reverse key. In normal position, the display of the handheld controller shows a black position symbol and in reverse position, the display shows an orange position symbol.

The selected mode is retained until the operation table is switched off in case no manual change is made. After a renewed switching on of the electronics (e.g. after the charging of the batteries), the normal function mode of the lateral and Trendelenburg adjustment is activated.

0-position


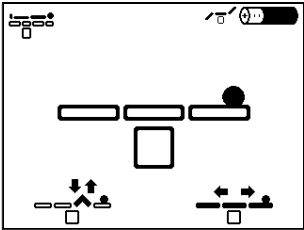

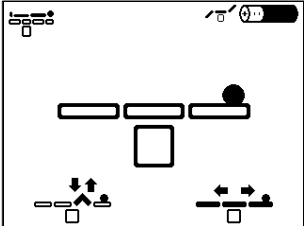
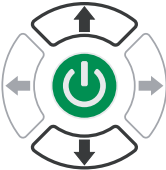
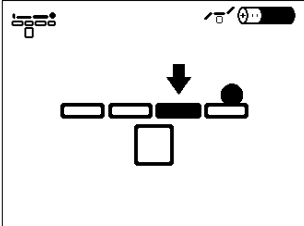
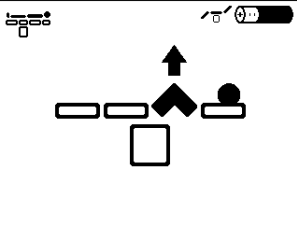
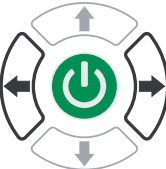
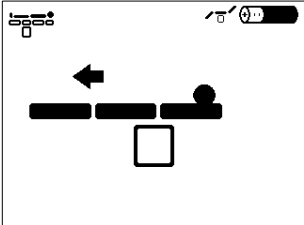
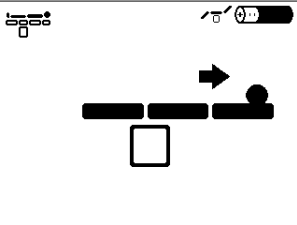
By pressing and holding the "0-position" key, the operation table moves automatically through intermediate positions into its basic position, i.e. the resting surface moves into the horizontal and lowest position. The intermediate positions treat the patients with care.



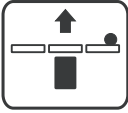
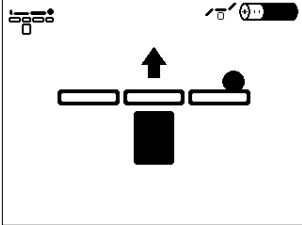
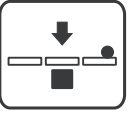
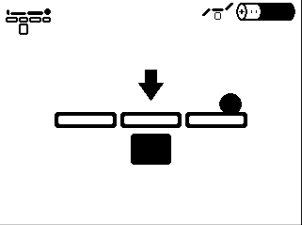
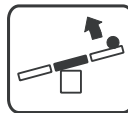
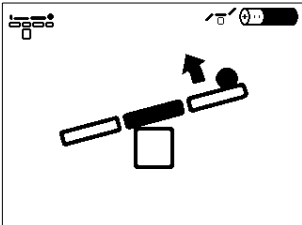
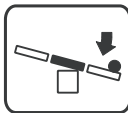
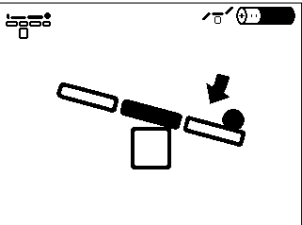
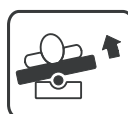
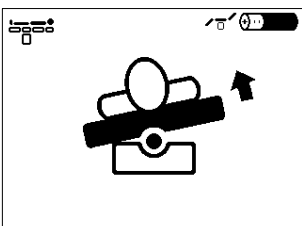

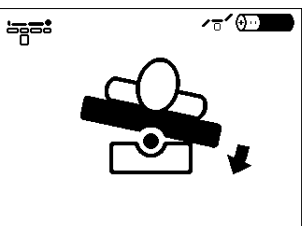

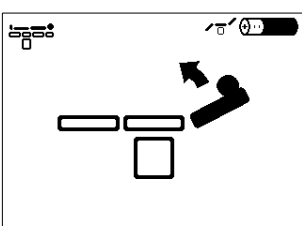

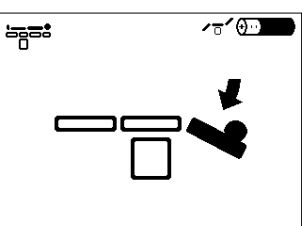
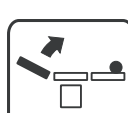
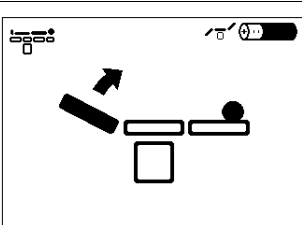
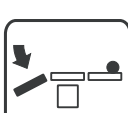
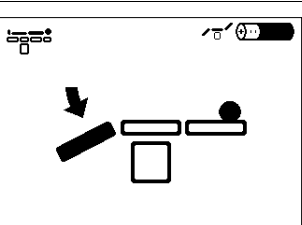
Caution!


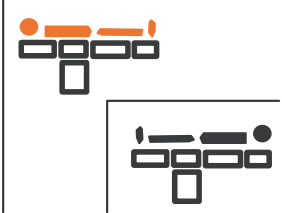
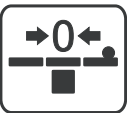
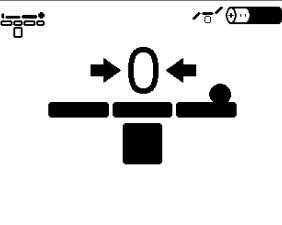
If the "0-position" is called, then the components or accessories could strike on obstacles. This is dependent on the operation tables initial position, for example leg plates or backs may be in a lowered position. This can also endanger the patient. Use the "0-position" key only when there is enough free space below the operation table.

- If you want to drive the operation table automatically in its basic position, press and hold the "0-position" key on the activated handheld controller.
- If the initiated movement needs to be cancelled, release the "0-position" key.

Key	Display	
		Activation Press the activation key of the handheld controller. As long as the handheld controller is activated, the keys are lit and the display presents the standard display. Furthermore, the charge status of the operation table batteries as well as the alignment mode (reverse or normal position) is indicated. The operating table can now be operated by a positioning key. The handheld controller deactivates itself by pressing the activation key again or after 15 seconds without a key being pressed.
		Selector switches Using the selector switches, you can select additional functions. For example, the operation table can be fitted with a kidney/body elevator and a longitudinal adjustment. In this sample configuration, you can select the kidney/body elevator adjustment with the left selector switch and the longitudinal adjustment with the right selector switch.
	 	Kidney/body elevator adjustment (example configuration) The previously selected kidney/body elevator can be adjusted afterwards with the direction key "higher or lower".
	 	Longitudinal adjustment (sample configuration). The previously selected longitudinal adjustment can be inserted afterwards with the direction key "right and left".

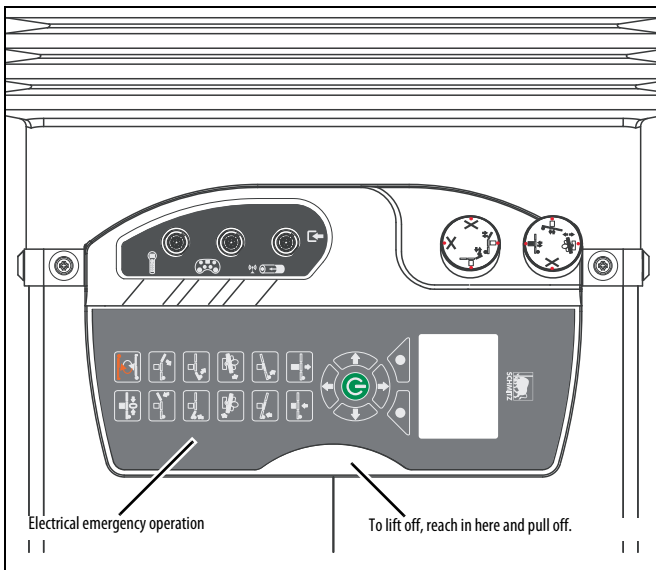
Operation

Key	Display	Key	Display	Function
				Raising and lowering the operation table Set the height with the respective positioning keys. The display shows the corresponding function symbol.
				Trendelenburg position / Reverse Trendelenburg position Set the Trendelenburg position with the respective positioning keys. The display shows the corresponding function symbol.
				Lateral adjustment, left or right Set the lateral angle with the respective positioning keys. The display shows the corresponding function symbol.
				Raising and lowering the back section Set the back angle with the respective positioning keys. The display shows the corresponding function symbol.
				Raising and lowering the leg plate Set the leg plate angle with the respective positioning keys. The display shows the corresponding function symbol.

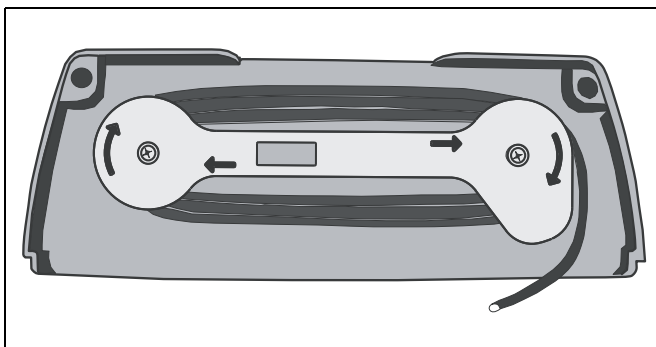
Key	Display	
		<p>Reverse position or normal position</p> <p>For certain medical practices, patients can be positioned on the operation table in the reverse position. So that the true-sided operation of the lateral and Trendelenburg adjustment as well as the back adjustment and leg plate adjustment is possible, the key assignment can be reversed by the reverse key. In normal position, the display of the handheld controller shows a black position symbol and in reverse position, the display shows an orange position symbol.</p> <p>The selected mode is retained until the operation table is switched off in case no manual change is made. After a renewed switching on of the electronics (e.g. after the charging of the batteries), the normal function mode is activated.</p>
		<p>0-position</p> <p>By pressing and holding the "0-position" key, the resting surface moves automatically over the intermediate position into the horizontal and lowest position. The intermediate positions treat the patients with care. If you release the key, the movement that has been started is stopped.</p>

Setting with the electrical emergency operation

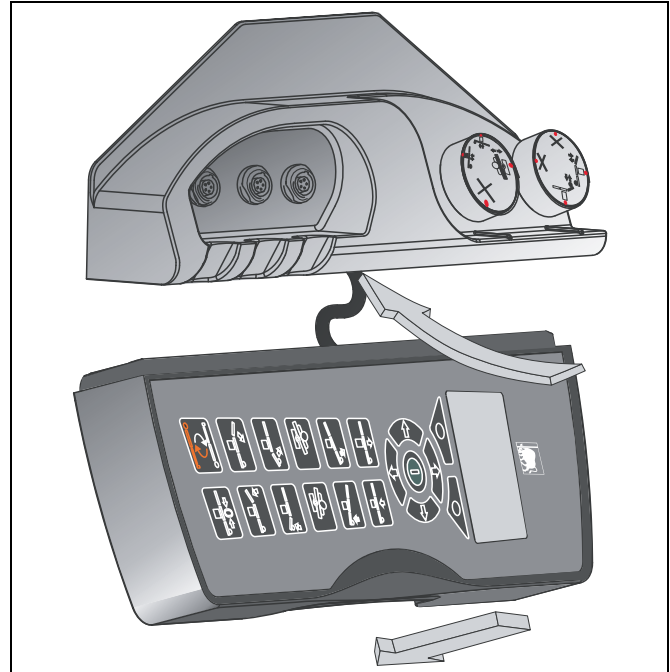
The operation table is equipped with an additional control unit that can be operated the same way as the normal handheld controller. The electrical emergency operation is connected by a cable to the operation table. A mount for the electrical emergency operation is located on the back side of the column. An additional control unit is clamped to the bottom edge of this mount.



- If you want to remove the electrical emergency operation, reach into the cut-out and pull it from the mount.
- Unwind the connection cable to the operation table before activating the electrical emergency operation.



- If you want to use the electrical control unit again, wind up the connection line to the operation table again on the back side of the electrical emergency operation.

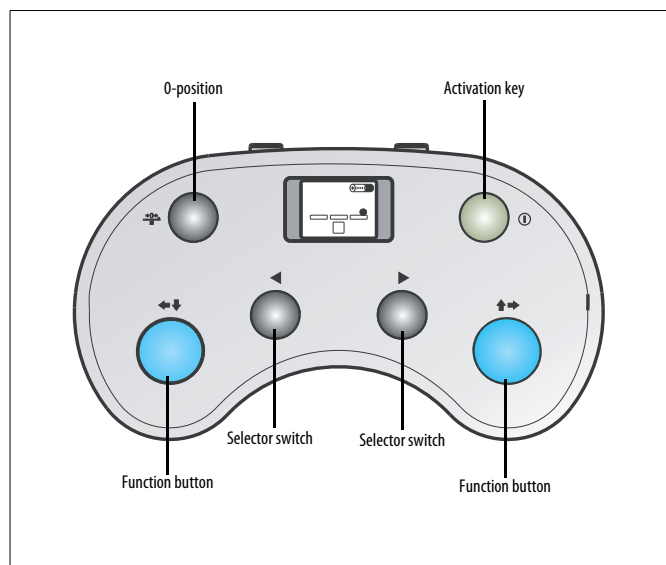


- Place the top edge of the electrical emergency operation against the mount and press the bottom edge against the column until it snaps in.

The cut-out for reaching in is then at the bottom and the top edge of the electrical emergency operation is without space at the bottom edge of the mount.

Setting with the foot controller

The operation table can be equipped with a foot controller. The foot controller can be operated in addition to the handheld controller or on its own. It is plugged into the middle connection on the mount for the electrical emergency operation.



Choose function

The foot controller, like the handheld controller, is equipped with a display. With the left or right selector switch on the foot controller, the particular function can be selected. The selected function shows up on the foot controller display. The function can then be set up with the foot controller's function buttons.

Activation

If you connect the handheld controller and the foot controller simultaneously to the operation table, the desired control unit with the activation key can be activated, and simultaneously the other control unit will be deactivated.

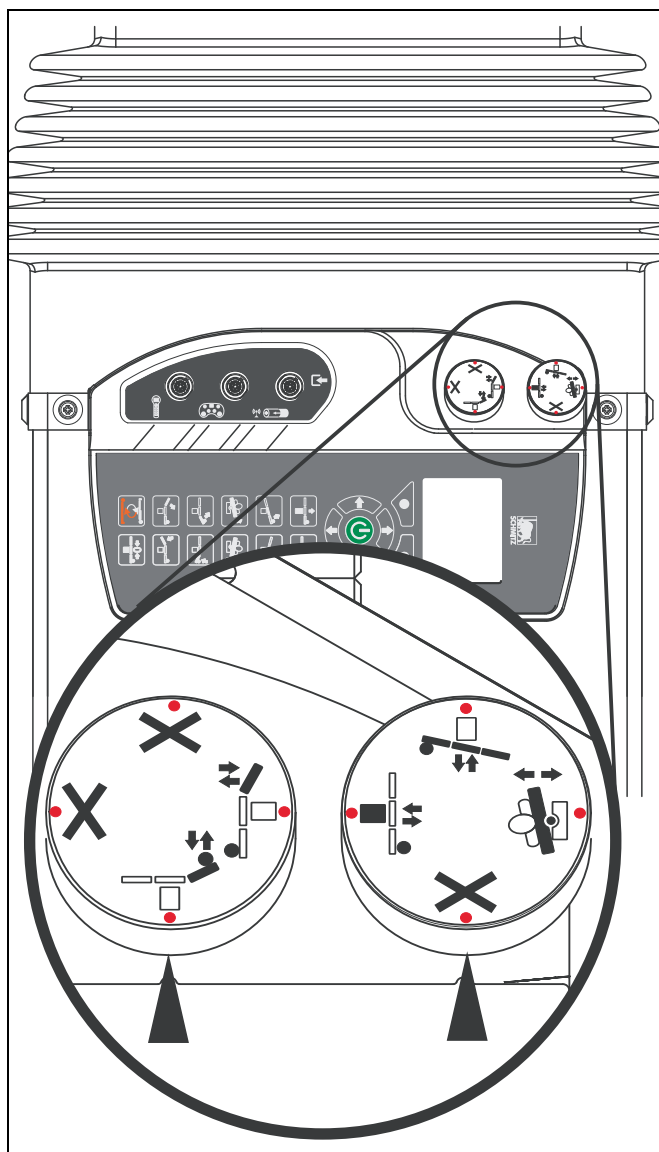
Reverse position

The reverse mode can only be selected with the handheld controller.

- To switch to the reverse mode, activate the handheld controller, press the reverse button and activate the foot controller again afterwards. The reverse mode remains active.

Settings with the manual emergency operation

The operation table is equipped with a manual emergency operation system with which the operation table can continued to be operated even if the electronics fail completely. For that, the operation table has two function pre-selection wheels in the mount for the electrical emergency operation with which the functions can be selected in the manual emergency operation. A function is pre-selected when the corresponding symbol is at the bottom. The preselected function can then be executed by two pump pedals.



The function pre-selection wheels indicates the hydraulic valve's position. This is controlled by the electronics in normal operation. In manual emergency operation, no access by the electronics is allowed. Therefore, switch off the operation table. Press the OFF key on the control panel with the ring symbol.

- Switch off the operation table. Press the OFF key on the control panel with the ring symbol on the front side of carriage.
- First of all, turn both function pre-selection wheels to **x** and then select a function with either the right or left function pre-selection wheel.

Select respectively only a single function now; leave the other function pre-selection wheel at **x**.

With the right function preselection wheel, you can set the functions height adjustment, Trendelenburg adjustment or lateral adjustment.

With the left function preselection wheel, you can set the functions back adjustment, leg plate adjustment or a further function that depends on the equipment of the operation table.

- Pump with the right pedal until the desired position has been reached or conduct the corresponding opposite movement with the left pedal. To ensure a clean switch between the movement directions, push the pedals down completely at the first stroke.

Display messages

Situation dependent messages

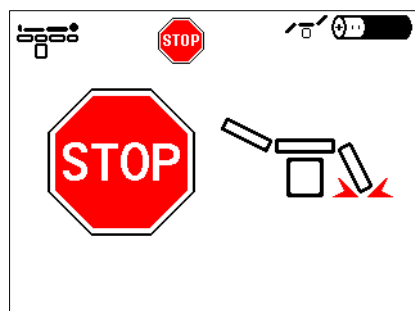
Risk of collision

A warning message appears if during the call up to move parts of the operation table falls below a minimum distance to other components. This collision detection is measured only for the default configuration of the operation table; for variations in configuration, the warning need not be applied necessarily. By interrupting the movement for 2 seconds, the operation table indicates this risk of collision. The movement will continue, once the corresponding movement button is pressed further.



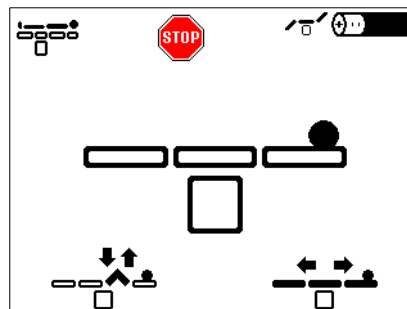
Attention!

The operation table recognises a risk of collision only for the default configuration; other configurations are not always registered. Even though a warning is not indicated on the display, a collision can still occur. Always monitor the operation table when you trigger a movement.



If the minimum distance is not kept, a warning is displayed and the operation table interrupts the initiated movement.

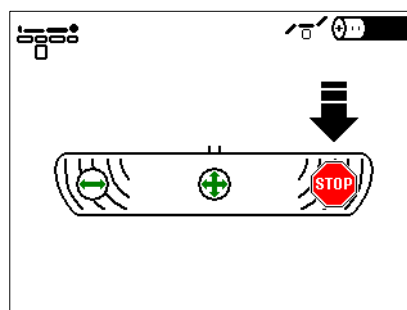
- Press and hold the movement button for more than 2 seconds in order to continue moving.



As long as components of the operation table are in the collision range, this will be warned on the information bar of the display.

Locked operation table

Patients may not be operated on if the operation table is not secured. If the operation table is not locked, but an adjustment on the control unit is called anyway, the movement of the operation table is delayed by 2 seconds; simultaneously a picture in the display prompts that the operation table be locked.

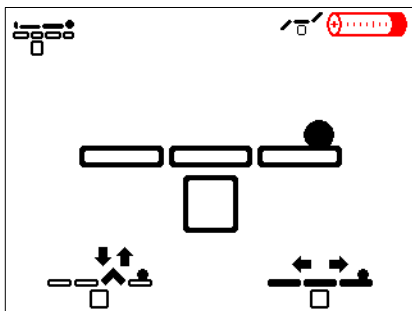


- Press and hold the movement button for more than 2 seconds in order to continue moving.

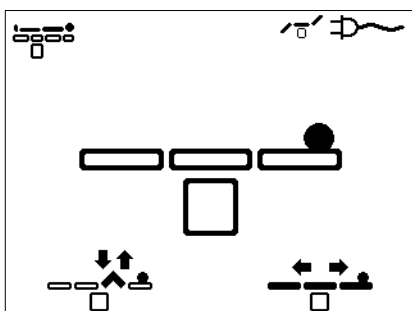
The reaction indicates the diminished secureness of the operation table, but does not prevent an adjustment.

Operation

Charge status of the internal operation table batteries



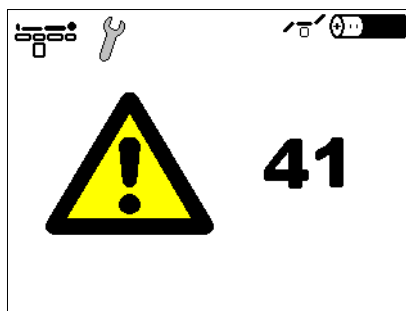
A red light flashes if the battery charge status is too low. Switch to the mains operation so as to continue working. Afterwards, load the batteries. See "Charging the internal batteries" on page 18 for details.



The plug symbol's information bar is displayed in the mains operation.

Status reports

The operation table monitors constantly its operability. Its status is displayed by a numerical code. See "Status reports" on page 62 for the list of numerical codes and their meaning.



A malfunction is indicated by a warning symbol and the respective numerical code. The information bar displays the spanner. If the warning symbol disappears after two seconds, work can be continued with restraints. See "Status reports" on page 62 for details. The spanner is displayed.

System Codes

1. No. 22
2. No. 12
3. No. 43



During the next activation of the control unit, the numerical code of the status message is displayed by pressing the left selector switch. See "Adjusting the patient position" on page 26 for further details.

- If the warning is displayed continuously, refer to "Status reports" on page 62 for your further proceedings.

Back sections

The operation tables can be equipped with different back sections.

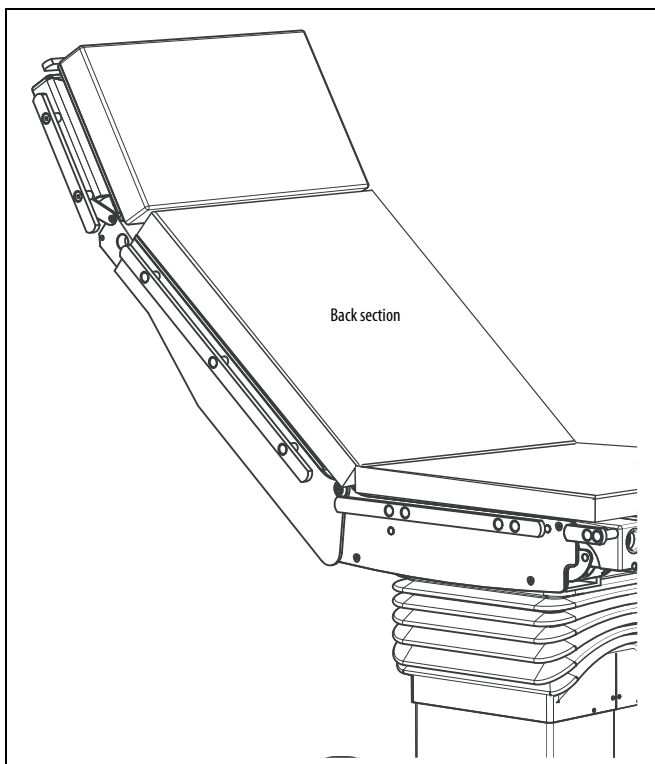
Back section

Accessory mounts are located at the front side of the back section. The angle of the back section is hydraulically set by a control unit.



Attention!

When lowering the back section, components of the operation table can hit the sub-frame and damage it if the Trendelenburg and lateral adjustments are in an inconvenient arrangement. During the adjustment of the back section, make sure that there is enough free space under the bed surface.

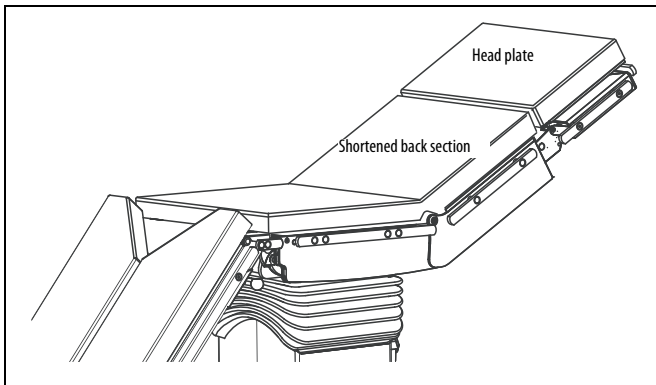


- To adjust the angle of the back section, first press the activation key on the handheld controller.
- Press the "Raise back" key to raise the back section.
- Press the "Lower back" button to lower the back section.

Shortened back section

If your DIAMOND has a **K** classification, it is equipped with a shortened back section. In connection with an optional back section extension, this offers better possibilities for adapting the resting surface to the requirements of the respective operation.

The angle of the back section is hydraulically set by one of the control units. Accessory mounts are located at the front side of the short back section.

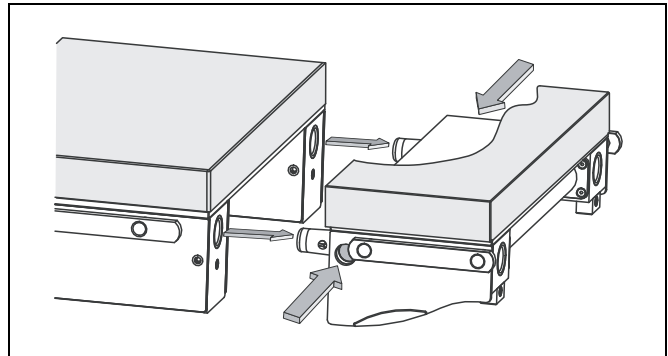


Attention!

When lowering the back section, components of the operation table can hit the sub-frame and damage it if the Trendelenburg and lateral adjustments are in an inconvenient arrangement. During the adjustment of the back section, make sure that there is enough free space under the bed surface.

- To adjust the angle of the back section, first press the activation key on the handheld controller.
- Press the "Raise back" key to raise the back section.
- Press the "Lower back" button to lower the back section.

Back section extension 101.14.003



The back section extension is designed to extend the shortened back section or be added to the seat of the operation table. The back section extension is not intended for extending the normal long back section. This does not correspond to the intended use.

The back extension extends the shortened back section to standard length. Mounts for attaching head positioning accessories are located in turn at the front side of the back section extension.

Back section with integrated kidney/body elevator

If your Diamond has a **G** classification, it is equipped with a kidney/body elevator integrated into the back section.



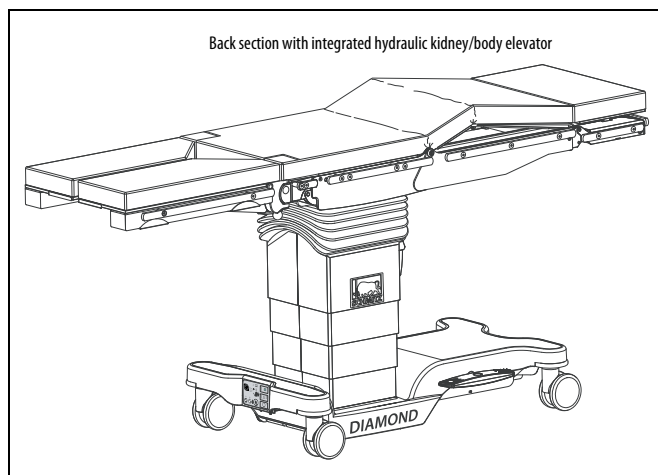
Caution!

Finger and hands can be jammed when the kidney/body elevator is lowered. Be sure when lowering the kidney/body elevator that there are no limbs in the area between the rest plate and back frame.

Accessory mounts are located at the front side of the back section.

By means of the integrated kidney/body elevator, the bed surface of the back section can be given an extra bulge. The kidney/body elevator has been constructed so that the positioning of heavyweight persons can also be set. In case the kidney/body elevator is overloaded, an overpressure valve is activated when the kidney/body elevator is pumped up that limits the possible load.

The angle of the back section is hydraulically set by a control unit.



Attention!

When lowering the back section, components of the operation table can hit the sub-frame and damage it if the Trendelenburg and lateral adjustments are in an inconvenient arrangement. During the adjustment of the back section, make sure that there is enough free space under the bed surface.

- To adjust the angle of the back section, first press the activation key on the handheld controller.
- Press the "Raise back" key to raise the back section.
- Press the "Lower back" button to lower the back section.



Caution!

Greater bulges of the kidney/body elevator are uncomfortable for the patient. To ensure a comfortable position, do not raise the kidney/body elevator too much and use additional padding in case of greater bulges for gentle support of the patient.



Caution!

Be sure when lowering the kidney/body elevator that there are no limbs or objects in the area between the rest plate and back frame.



Attention!

The kidney/body elevator can be damaged, if it is slightly raised and is loaded with the entire weight of the patient. Make sure that the kidney/body elevator is completely lowered when the patient mounts the table.



Attention!

The paddings are under heavy duty if the kidney/body elevator is raised and the back section is tilted up then. Do not tilt the back section too much upwards when the kidney/body elevator is raised.

The operation of the kidney/body elevator is done by the additional function.

- Activate the handheld controller with the activation key.
- Select the adjustment of the kidney/body elevator with the selector switch under the display.
- Adjust the kidney/body elevator higher or lower with the help of the direction keys that are located above and below the activation key.

Leg plate adjustment

If your DIAMOND has a **B** classification, it features a hydraulic adjustment of the leg plate mount. Leg plates, a shoulder arthroscopy plate, a gynaecology adapter and so forth can be inserted here.

These components attached there can be adjusted by the hydraulic adjustment of the leg plate mount. In addition and independent from the hydraulic adjustment, the leg plates can also be tilted manually, against or with the pressure of a gas spring. See "Manually changing the angle of the leg plates" on page 42 for further details.

Due to the multiple adjustment possibilities, there also exist additional danger points.



Attention!

If a leg plate is first manually lowered and then the leg plate or the height is further lowered hydraulically, it can knock against the pillars or the carriage cover and damage them. Make sure there is enough space available before making adjustments. During the adjustment, pay special attention to these collision points. Monitor the operation table and its components. Adjust the operation table only if the initiated movement can be aborted.



When applying the leg plates 101.14.002, you get a wider height adjustment range, if you tilt the leg plates downwards by the built-in gas spring adjustment. If you use the leg plate adjustment of the table for this, watch out for possible collisions with the carriage cover.

Leg plates 101.14.002



Head plates and leg plates are attached in the same manner. That is why leg plates can be exchanged with the head plates. The free space under the operation table can be changed in this way.

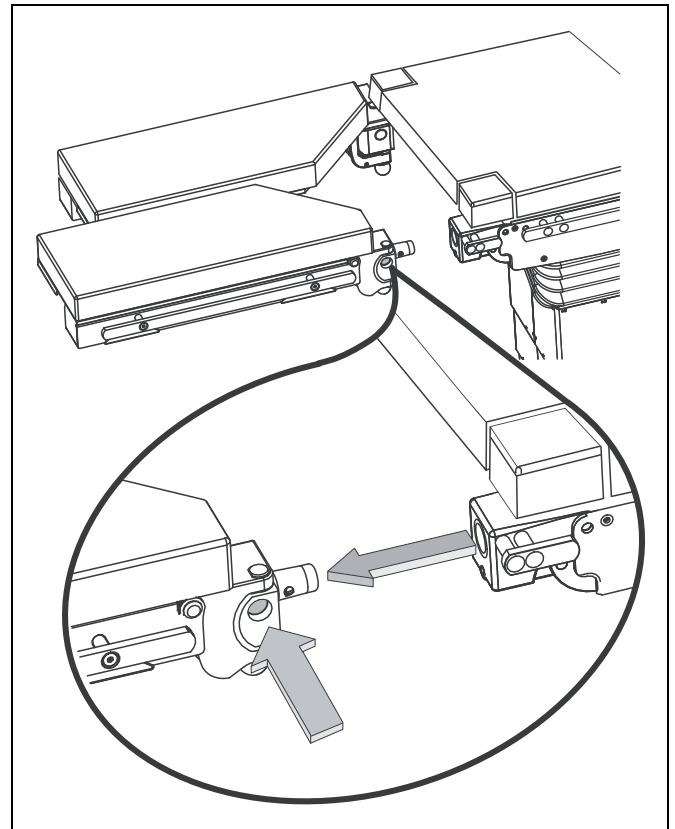
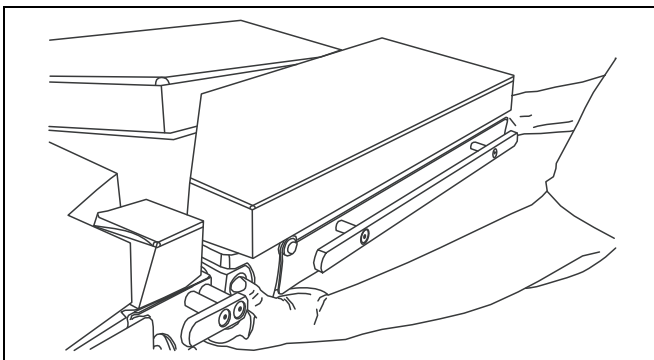


Caution!

By exchanging of head and leg plates, the stability and the behaviour of the operation table are influenced by adjustments.

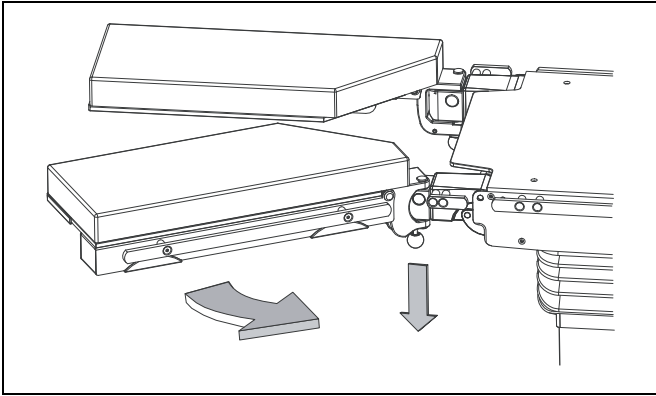
Please take the time to familiarise yourself with the behaviour of the operation table under load before you use it.

Fastening and loosening



- To fasten a leg plate, press the bolt of the leg plate into the mounting hole.
- Push in the leg plate until it snaps in audibly.
In doing so, the release button jumps out. Check afterwards that the leg plate is correctly locked in.
- In case you want to remove a leg plate, lift it slightly, thereby taking the weight off the leg plate.
- Press the release button and pull the leg plate out of the mounting hole.

Swivelling the leg plates

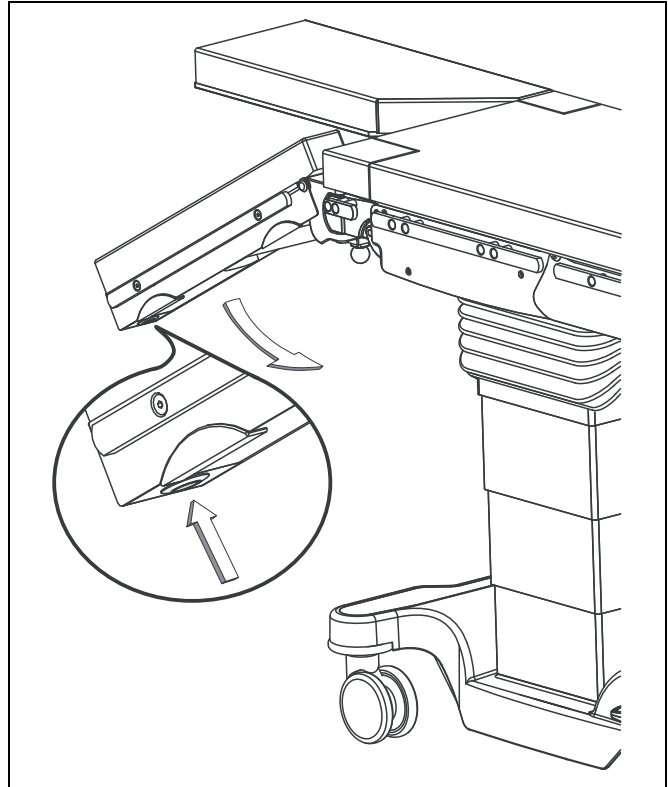


Caution!

There are unsecured jamming points under the operation table. Do not reach underneath the operation table during adjustment.

- To swivel a leg plate outwards, pull the ball coupling of the retaining pin downwards.
- Swivel the leg plate to the desired position and release the ball coupling of the retaining pin.
- Move the leg plate until it latches in.

Manually changing the angle of the leg plates



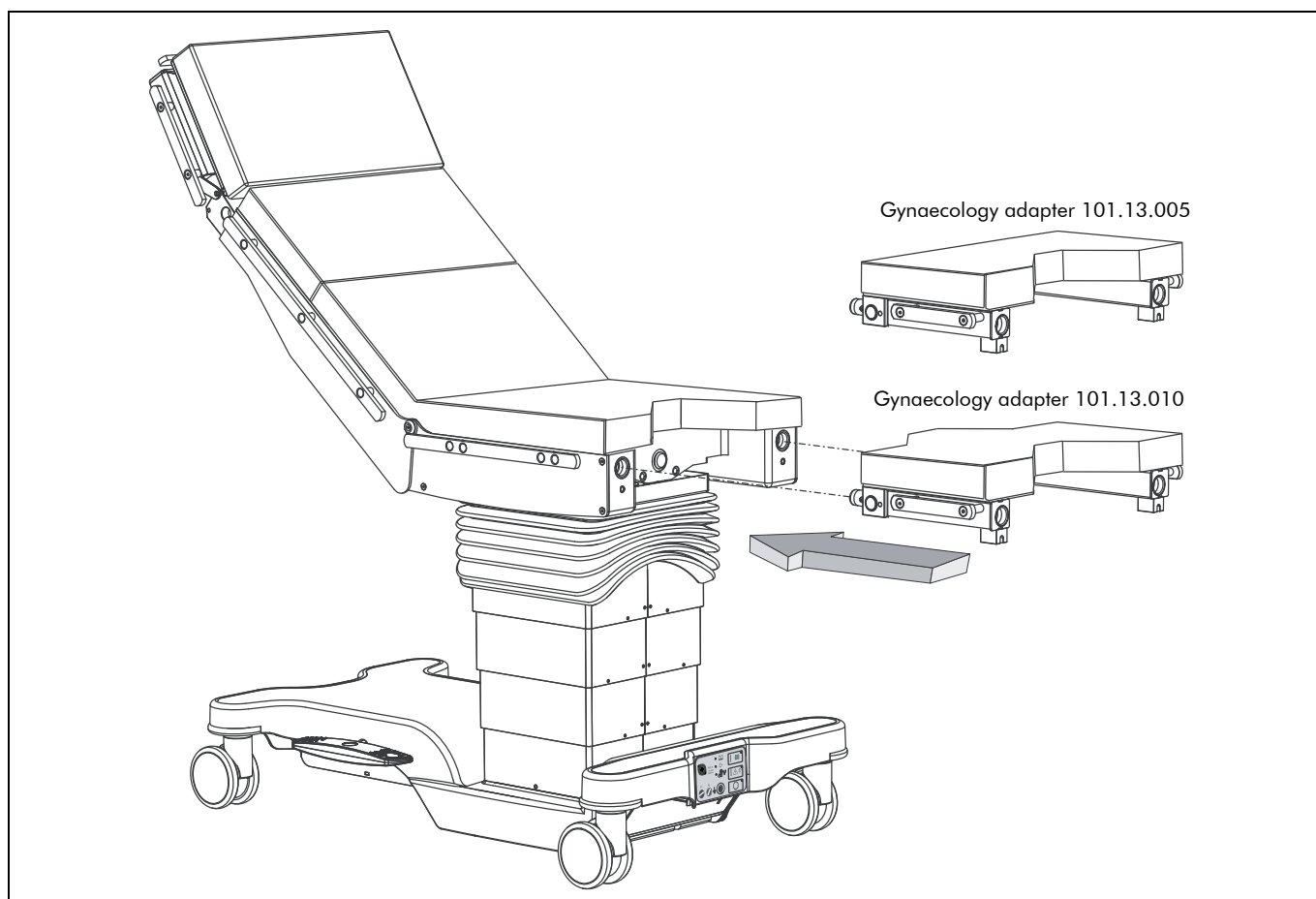
- If you want to manually change the angle of one of the leg plates, press the release button of the leg plate.
- Tilt the leg plate against the pressure of the gas spring and release the release button in the desired position.
The leg plate is now fixed again.



Attention!

If a leg plate is first manually lowered and then the leg plate or the height is further lowered hydraulically, it can knock against the pillars or the carriage cover and damage them. Make sure there is enough space available before making adjustments. During the adjustment, pay special attention to these collision points. Monitor the operation table and its components. Adjust the operation table only if the initiated movement can be aborted.

Gynaecology adapter 101.13.005 and 101.13.010



The gynaecology adapter extends the seat. The gynaecology adapter is inserted in the accessory mounts of the seat. The type 101.13.005 may not be attached to the normal back section; this purpose is not intended.

In connection with the hydraulic leg plate adjustment, the gynaecology adapter can be tilted during the operation with regards to the rest of the bed surface.

The gynaecology adapter is radio-opaque. It features side rails for mounting of leg support systems. Mounting holes are located at the front side. Transfer leg plates can be attached here.

The type 101.13.005 can also be used in connection with the shortened back section. It offers an especially good X-ray field then.

The gynaecology adapter is designed for patients weighing up to 285 kg. In connection with the hydraulic longitudinal adjustment as well as the transfer leg plates, the permitted patient weight is reduced.

Head plate 101.14.001



Head plates and leg plates are attached in the same manner. That is why leg plates can be exchanged with the head plates. The free space under the operation table can be changed in this way.



Caution!

By exchanging of head and leg plates, the stability and the behaviour of the operation table are influenced by adjustments.

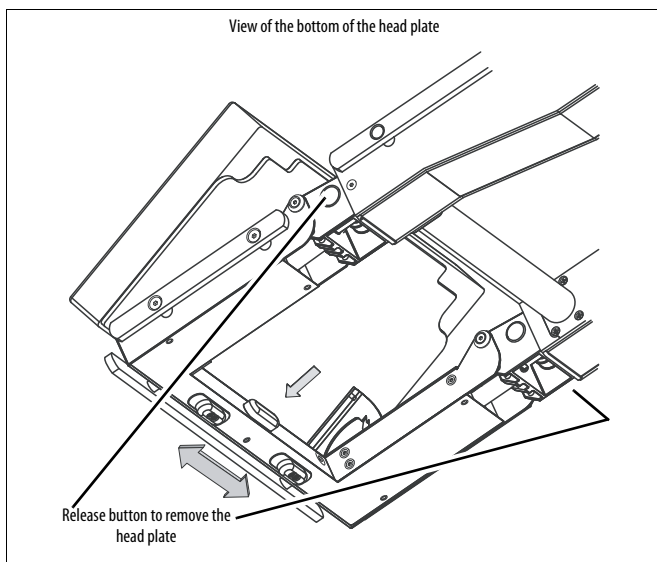
Please take the time to familiarise yourself with the behaviour of the operation table under load before you use it.

Attaching the head plate

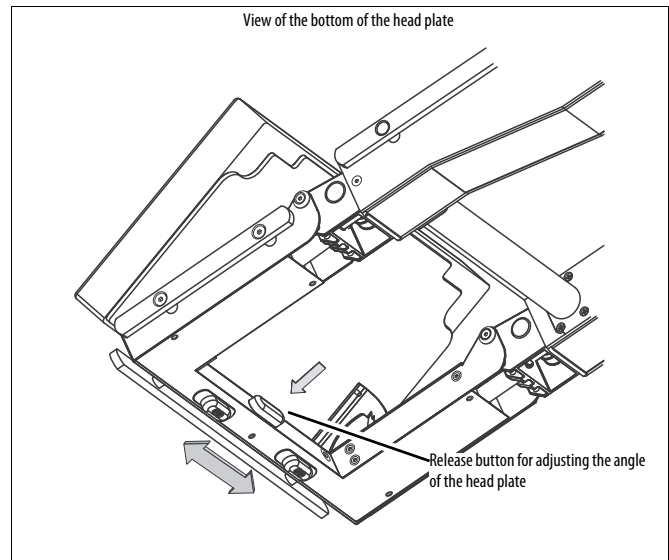
- To attach the head plate, insert the bolts into the mounting holes until the head plate snaps in audibly.
- Make sure that the head plate has latched in.

Removing the head plate

- Press the two release buttons on the left and right side and pull the head plate evenly from the back section.

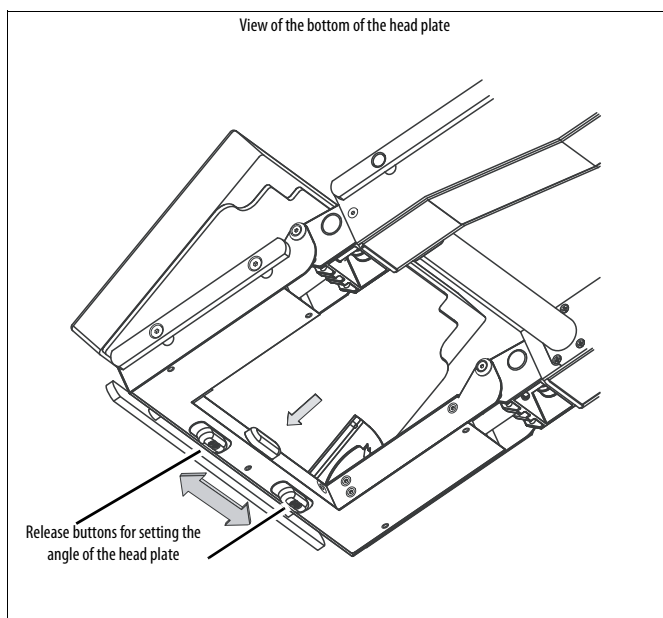


Setting the angle of the head plate



- Press in the release button; it is located on the inside in the middle of the head plate's front side.
- Adjust the angle of the head plate against the pressure of the gas spring and release the release button in the desired position.

Adjusting the angle of the head padding



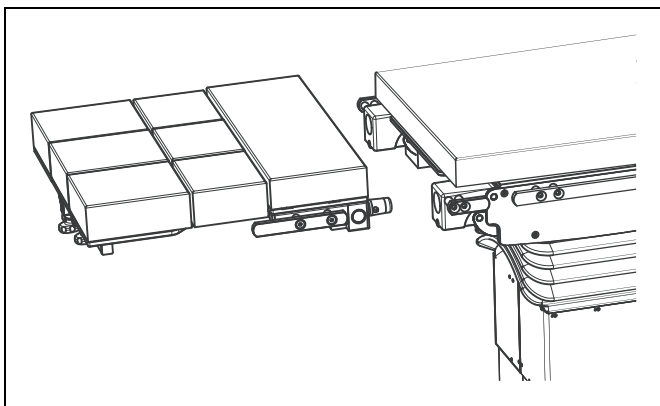
- To tilt up the padding, pull up the padding to the desired position. It latches in automatically.

At the bottom of the front end of the head plate there are two release buttons joined together for left- and right-handed operation. If there is no load on the padding, it can be shifted to the side, thereby releasing the padding.

- To lower the padding, hold the padding, take up its weight and push the release buttons to the side.
- Lower the padding to the desired position and let go of the release buttons.

The padding is now fixed again.

Shoulder arthroscopy plate for the hydraulic leg plate adjustment 101.07.013



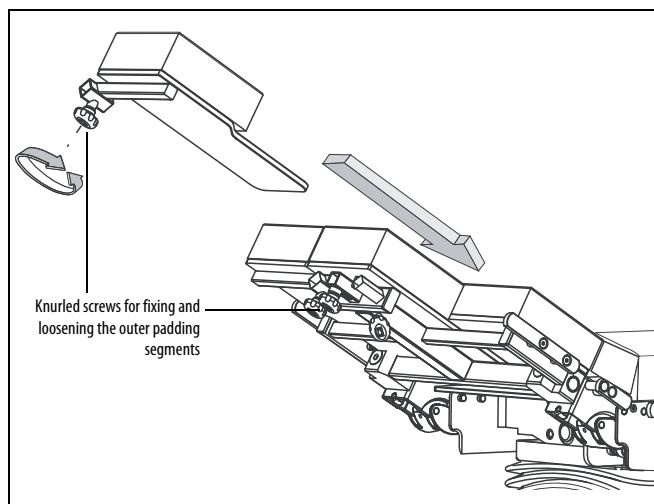
The shoulder arthroscopy plate serves to support the patient during the operation in the head and shoulder area as well as during anesthesia and recovery. Any use apart or beyond this purpose is not intended.

The shoulder arthroscopy plate features mounts at the head end for spacer pieces, head calottes and head plates.

The shoulder arthroscopy plate is permitted for patients weighing up to 225 kg.

The shoulder arthroscopy plate is inserted in the hydraulic leg plate adjustment and fixed. The angle can be adjusted here. Under no circumstances may it be attached to the back section of the operation table. This usage is not as intended.

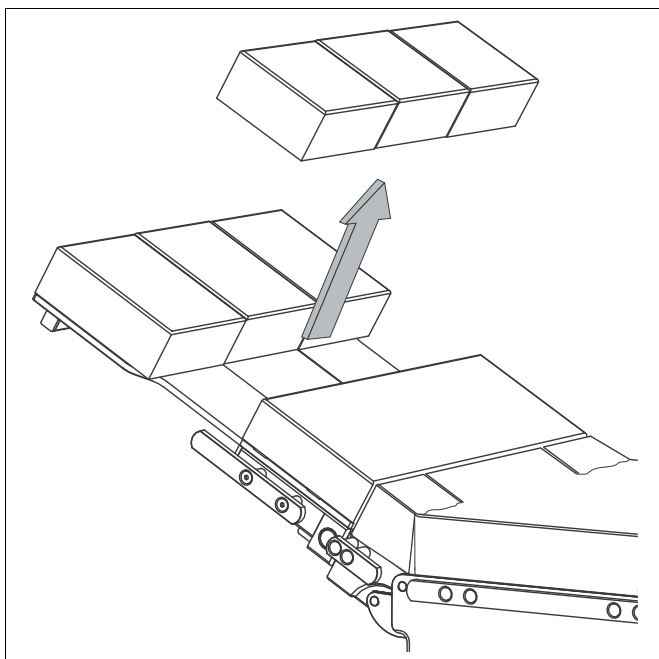
To improve the accessibility of the shoulder area, the two outer padding segments can be removed as needed during the operation and also be reattached.



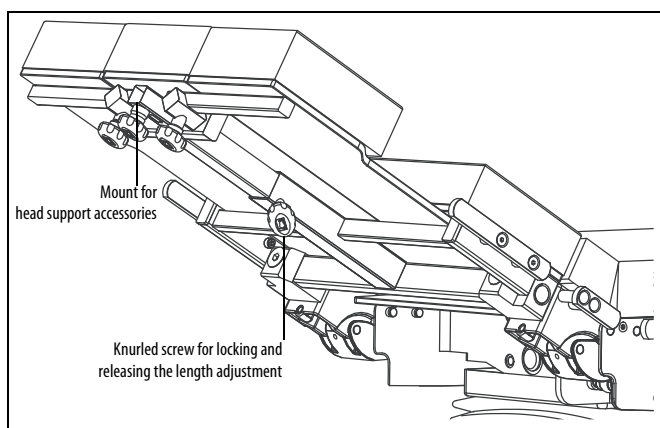
- Loosen the knurled screw and pull the corresponding padding segment out of its slot.
- Insert it using the same procedure in reverse.

Adjusting the length of shoulder arthroscopy plate

The paddings are fastened to the mounting plate by Velcro straps. This makes it possible to lift off individual padding segments in order to shorten the length of the shoulder arthroscopy plate. By fastening with Velcro straps, the padding segments can be mounted and fitted for various length settings.



- Lift out the middle padding row.



The locking device's knurled screw for the length setting has a latch pin on the tip. At maximum extraction, it snaps in automatically and prevents an accidental removal. To release, pull the knurled screw.

- Loosen the knurled screw and push the shoulder arthroscopy plate together.

- Tighten the knurled screw again.
- Extend the shoulder arthroscopy plate in reverse order.

Securing and adjusting the head plate or the head calotte

The shoulder arthroscopy plate is used together with a head calotte or with a head plate. Head plate or head calotte is fastened to the mount with a connecting piece.

- Plug the connecting piece into the mount and secure it with a clamping screw.
- Attach the accessory onto the connecting piece.

Further Schmitz accessories

The operation tables can be modified to meet special demands with comprehensive accessories. The operating instructions of the devices themselves must be followed. Among others, the following accessories can be used:

Item no.	Name
101.03.003	Holder
101.03.005	Shoulder/lateral support
101.03.006	Back and seat support
101.03.007	Pubis/sacrum/sternum support
101.04.001	Hand operating plate
101.04.002	Hand operating plate
101.04.003	Upper arm plate
101.04.004	Upper arm support unit
101.04.005	Upper arm counter-traction rod
101.04.006	Weinberger hand restraint
101.05.001	Arm rest
101.05.002	Arm rest
101.05.003	Hand restraint
101.05.004	Hand restraint
101.05.005	Arm guard
101.05.006	Leg restraint
101.05.007	Body strap
101.05.008	Leg strap
101.06.001	Extension device
101.06.002	Supporting device
101.06.003	Padding
101.06.005	Pelvic plaster power unit with pelvic guide
101.06.006	Kirschner wire bracket
101.06.007	Counter-traction rod for lateral position
101.06.008	Lower leg support unit
101.06.009	Side rail extension (pair)
101.06.010	Foot plates for children (2 pcs.)
101.06.011	Ankle cuffs for children (2 pcs.)
101.07.001	Anaesthesia screen
101.07.002	Anaesthesia screen extension (pair)
101.07.003	Flexible anaesthesia screen
101.07.004	IV rod
101.07.005	Hose holder
101.07.006	Instrument table
101.07.007	Supporting roller
101.07.008	Support padding

Item no.	Name
101.07.008	Support padding
101.07.009	Extension pieces 500 mm
101.07.010	Foot plate (pair)
101.07.013	Shoulder arthroscopy plate
101.07.014	Knee support unit
101.07.015	Knee/elbow support unit
101.07.018	Transfer leg plate (pair)
101.07.019	Lateral support pads
101.07.020	Extension pieces 300 mm
101.07.021	Shoulder plate
101.08.001	Head rest
101.08.002	Supporting arm
101.08.003	Connecting piece
101.08.004	Universal adapter
101.08.005	Head calotte
101.08.006	Connecting piece
101.08.007	Head calotte
101.08.008	Connecting piece
101.08.009	Hand rest brace
101.09.001	Fastening bracket
101.09.002	Doro skull clamp adaptor
101.09.003	Doro skull clamp
101.09.004	Doro universal holder
101.09.005	Doro head calotte
101.09.006	Doro skull clamp adaptor with ball joint
101.09.007	Doro skull pins for children (3 pcs.)
101.09.008	Doro skull pins for adults (3 pcs.)
101.12.001	Padding
101.12.002	Gel head padding for prone position
101.12.003	Gel head padding for prone position
101.12.004	Gel head ring
101.12.005	Gel head ring
101.12.006	Gel head ring
101.12.007	Gel head ring
101.12.008	Gel pad for lateral positioning
101.12.009	Gel heel pad (pair)
101.12.010	Tunnel cushion
101.12.011	Double wedge pad
101.12.012	Head ring
101.12.013	Padding
101.13.002	Leg support according to Göpel

Item no.	Name
101.13.003	Elbow rests
101.13.004	Urology adaptor for tables without gynaecological cutaway
101.13.005	Gynaecological adaptor for tables without gynaecological cutaway
101.13.006	Flushing basin with holder
101.13.007	Swivel basin with holder
101.13.008	Sieve insert
101.13.009	Urological adaptor for tables with gynaecological cutaway
101.13.010	Gynaecological adaptor for tables with gynaecological cutaway
101.14.001	Head plate
101.14.002	Leg plate
101.14.003	Back section extension, fixed
101.14.004	Leg plate
101.20.001	Clamping block
101.20.002	Clamping block
101.20.003	Clamping block
101.20.004	Clamping block

Cleaning

The operation tables may not be sprayed by salt water. It is not resistant against saltwater. This treatment is not as intended!

The operation tables may be cleaned only by a spray and wipe disinfectant of the surfaces. A cleaning and disinfection in automated washing systems is not permitted.

All paddings of the seat and back section are fastened with Velcro straps to the operation table, which can be removed for easier cleaning.

Head plate and leg plates can be removed. This makes them easy to be cleaned individually.

Use only suitable cleaning agents for the plastic parts and padding of the operation table, including the operating elements.

- Cover the padding when possible to prolong its service life.

Periodic checks



Attention!

Sharp objects may damage the padding. Be careful with sharp objects. Immediately replace damaged padding for reasons of hygiene.

Damaged padding and tears may absorb moisture and germs. Immediately replace damaged padding for reasons of hygiene. Immediately clean and disinfect soiled padding. Observe general requirements for hygiene.

Cleaning



Attention!

Abrasive cleaning agents may damage the padding surface. Do not use abrasives for cleaning.



Attention!

Skin antiseptics may cause the padding to become discoloured. Remove skin antiseptics from the padding to prevent discolouration.



Attention!

Alcoholic agents damage the padding's cover (hardening and tears). Do not use these agents for cleaning or disinfection.



Attention!

The padding may become damaged by excessive use of disinfectant. Use cleaning agents for cleaning and disinfectants for disinfecting. Do not use disinfectants for cleaning.

Weak alkaline cleaning agents such as mild detergents or soapsuds may be used for cleaning. We recommend "FERRARI clean" for cleaning the padding. Spray dispensers with this product are available from Schmitz u. Söhne (ID no.: 02019871).

- Apply FERRARI clean by spraying.
- Allow 2–3 minutes for the cleaning agent to take effect.
- Rub the cleaning agent into the padding with circular motions of a sponge or soft brush.
- Liberally spray with water, or remove all of the cleaning agent with a wet sponge.
- Repeat in case of heavy soiling.
- If the cleaner comes into contact with other materials, rinse them with water.

Disinfection

**Attention!**

Alcoholic agents damage the padding's cover (hardening and tears). Do not use these agents for cleaning or disinfection.

**Attention!**

The padding will warp permanently if exposed to excessive heat. Do not use hot steam to sterilise the operation table including the padding.

Skin antiseptics are unsuitable for disinfecting the padding, since they often consist of or contain alcoholic chemicals. Also, do not use cleaning or disinfecting machines.

Disinfectants containing alcohol can cause inflammable gas mixtures. For this reason, also use aldehyde-based surface disinfectants. The agent should be mentioned in the list of the VAH (German Association of Applied Hygienics).



The VAH list of disinfectants is available from the
mhp-Verlag GmbH
Marktplatz 13
65183 Wiesbaden
Germany

Please see the padding manual for a list of suitable disinfectants, which are also designated by the VAH (German Association of Applied Hygienics). Please observe the application instructions of the disinfectant supplier.

Inspections

Age, wear and so forth are detrimental to safety. Therefore, the owner must perform the specified periodic inspections for this device.

A checklist with recommended checks for regular inspections is available from us. If defects are detected during the periodic inspections, the operation table may not be used until these defects are repaired.

Repair

In case of malfunction, please contact Schmitz u. Söhne.

The following information is required for that:

- The complete series of numbers for the operation table, can be read on the nameplate. The nameplate is located on the back of the lifting column.
- The numerical code of all status reports. See "Adjusting the patient position" on page 26 for details.
- The software versions for all components. See "Adjusting the patient position" on page 26 for details.

The phone numbers can be found on the last page of this manual.

Spare parts

Technical descriptions, such as circuit diagrams, explosion drawings, maintenance instructions or spare part lists can be received from Schmitz u. Söhne upon request.

To order technical information or replacement parts from the manufacturer, please have ready the article number, serial number and project number. This information can be found on the nameplate of the operation table.

Disposal

This device is covered by the EC directive 2002/96/EC (WEEE).
It is not certified for use in private households and may not be disposed of in a municipal or local electronic waste collection.
Schmitz u. Söhne is responsible for legal disposal of this device.
Please contact the responsible Schmitz sales agency for details.

If transferring this device to a commercial third party, the seller is contractually obliged to notify the buyer of the legal requirements for disposal after discontinuation of use. If neglecting to do so, the seller is responsible for proper disposal of the device after the third party has discontinued its use.

Electromagnetic compatibility (EMC)

Portable or mobile RF communication devices may affect medical equipment. Electrical equipment intended for medical use

requires special EMC precautions. Observe the EMC instructions in this manual for installation and commissioning.


Electromagnetic emissions

Guidelines and manufacturer's declaration – electromagnetic emissions		
The DIAMOND operation table is intended for use in an environment as specified below. Users of the DIAMOND operation table should make sure that it is used in such an environment.		
Electromagnetic emissions	Compliance	Electromagnetic environment – guidelines
RF emissions CISPR 11	Group 1	The DIAMOND operation table uses RF energy only for its internal functions. Therefore, its RF emissions are low and are not likely to cause any interference in nearby electronic equipment.
RF emissions CISPR 11	Class B	The DIAMOND operation table is suitable for use in all establishments other than domestic and those directly connected to the public low-voltage power supply network that also supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	Not applicable	
Voltage fluctuations/flicker emissions IEC 61000-3-3	Not applicable	

Electromagnetic immunity

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment – guidance
Electrostatic discharge (ESD) IEC 61000-4-2	±6 kV contact ±8 kV air	±6 kV contact ±8 kV air	Floors should be wood, concrete, or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electric fast transient / burst IEC 61000-4-4	±2 kV on power supply lines ±1 kV on input/output lines	±2 kV on power supply lines ±1 kV on input/output lines	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	±1 kV differential mode voltage ±2 kV common mode voltage	±1 kV differential mode voltage ±2 kV common mode voltage	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interrupts and fluctuation of the voltage supply according to IEC 61000-4-11	<5% U_T (>95% dip of U_T) for ½ period 40% U_T (60% dip of U_T) for 5 periods 40% U_T (30% dip of U_T) for 25 periods <5% U_T (<95% dip of U_T) for 5 s	Not applicable	
Power frequency magnetic fields (50/60Hz) acc. to IEC 61000-4-8	3 A/m	3 A/m	Power frequency magnetic fields should be those of a typical commercial or hospital environment.
Note U_T is the AC mains voltage prior to application of the test level.			

Electromagnetic immunity for non-life-supporting equipment

Guidance and manufacturer's declaration – electromagnetic immunity			
The DIAMOND operation table is intended for use in the electromagnetic environment specified below. Users of the operation table should make sure that they are in such an environment.			
Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment – guidance
Conducted RF disturbance IEC 61000-4-6 Radiated RF disturbance IEC 61000-4-3	3 V _{eff} 150 kHz to 80 MHz 3 V/m 80 MHz to 2.5 GHz	3 V 3 V/m	<p>Portable and mobile RF communication equipment should not be used at a closer distance to the DIAMOND operation table including its cables than recommended safety distance calculated by the equation applicable to the frequency of the transmitter.</p> <p>Separation distance</p> $d = \left(\frac{3.5}{3}\right) \sqrt{P}$ $d = \left(\frac{3.5}{3}\right) \sqrt{P} \quad \text{for 80 MHz to 800 MHz}$ $d = \left(\frac{7}{3}\right) \sqrt{P} \quad \text{for 800 MHz to 2.5 GHz}$ <p>where P is the maximum output power rating of the transmitter in watt (W) according to the manufacturer of the transmitter and d is the recommended separation distance in metres (m).</p> <p>Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, should be less than the compliance level in each frequency range.</p> <p>Interference may occur in the vicinity of equipment marked with the following symbol.</p> 
Note 1	At 80 MHz and 800 MHz, the higher frequency range applies.		
Note 2	These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.		
a	Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the DIAMOND operation table is used exceeds the applicable RF compliance level, the DIAMOND operation table should be observed to verify normal operation.		
b	In the 150 kHz to 80 MHz frequency range, field strengths should be less than 3 V/m.		

Recommended separation distances

Recommended safety distance between portable and mobile RF communications equipment and the DIAMOND operation table			
The DIAMOND operation table is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The user of the DIAMOND operation table can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the DIAMOND operation table as recommended below, according to the maximum output power of the communications equipment.			
Rated maximum output power of transmitter W	Separation distance according to frequency of transmitter m		
	150 kHz to 80 MHz $d = \left(\frac{3.5}{3}\right)\sqrt{P}$	80 MHz to 800 MHz $d = \left(\frac{3.5}{3}\right)\sqrt{P}$	800 MHz to 2.5 GHz $d = \left(\frac{7}{3}\right)\sqrt{P}$
0,01	0,12	0,12	0,23
0,1	0,37	0,37	0,74
1	1,2	1,2	2,3
10	3,7	3,7	7,4
100	12	12	23
For transmitters rated at a maximum output power not listed above, the recommended separation distance d in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watt (W) according to the manufacturer of the transmitter.			
Note 1	At 80 MHz and 800 MHz, the higher frequency range applies.		
Note 2	These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.		

Status reports

Code	Status	Cause	What effect does it have on the user?	What can the user do?
11	Function malfunction of the batteries in battery set A	One or both batteries of the set have failed. Plug connection at the power pack or the battery has loosened. Line break Battery is defective	One battery set is no longer available. Charge LED flashes rapidly. Charge status display indicates max. 50%.	Work can be continued. Call service technician soon.
12	Function malfunction of the batteries in battery set B	One or both batteries of the set have failed. Plug connection at the power pack or the battery has loosened. Line break Battery is defective	One battery set is no longer available. Charge LED flashes rapidly. Charge status display indicates max. 50%.	Work can be continued. Call service technician soon.
13	Overtemperature battery A1	Charge current is too great – Battery is defective.	One battery set is not being charged. Charge LED flashes rapidly. Charge status display indicates max. 50% continuously.	Work can be continued. Call service technician soon.
14	Overtemperature battery A2	Charge current is too great – Battery is defective.	One battery set is not being charged. Charge LED flashes rapidly. Charge status display indicates max. 50% continuously.	Work can be continued. Call service technician soon.
15	Overtemperature battery B1	Charge current is too great – Battery is defective.	One battery set is not being charged. Charge LED flashes rapidly. Charge status display indicates max. 50% continuously.	Work can be continued. Call service technician soon.
16	Overtemperature battery B2	Charge current is too great – Battery is defective.	One battery set is not being charged. Charge LED flashes rapidly. Charge status display indicates max. 50% continuously.	Work can be continued. Call service technician soon.

Code	Status	Cause	What effect does it have on the user?	What can the user do?
21	Malfunction Battery charge in battery set A	Only one battery set is available. Plug connection at the power pack or the battery has loosened. Line break Battery is defective	One battery set is not being charged. Charge LED flashes rapidly. Charge status display indicates max. 50% continuously.	Work can be continued. Call service technician soon.
22	Malfunction Battery charge in battery set B	Only one battery set is available. Plug connection at the power pack or the battery has loosened. Line break Battery is defective	One battery set is not being charged. Charge LED flashes rapidly. Charge status display indicates max. 50% continuously.	Work can be continued. Call service technician soon.
23	Malfunction Temperature sensor A1	Temperature sensor is defective Line break Plug connection at the power pack has loosened	One battery set is not being charged. Charge LED flashes rapidly. Charge status display indicates max. 50% continuously.	Work can be continued. Call service technician soon.
24	Malfunction Temperature sensor A2	Temperature sensor is defective Line break Plug connection at the power pack has loosened	One battery set is not being charged. Charge LED flashes rapidly. Charge status display indicates max. 50% continuously.	Work can be continued. Call service technician soon.
25	Malfunction Temperature sensor B1	Temperature sensor is defective Line break Plug connection at the power pack has loosened	One battery set is not being charged. Charge LED flashes rapidly. Charge status display indicates max. 50% continuously.	Work can be continued. Call service technician soon.
26	Malfunction Temperature sensor B2	Temperature sensor is defective Line break Plug connection at the power pack has loosened	One battery set is not being charged. Charge LED flashes rapidly. Charge status display indicates max. 50% continuously.	Work can be continued. Call service technician soon.

Code	Status	Cause	What effect does it have on the user?	What can the user do?
31	Malfunction data exchange with Pump/valve controller subassembly	Pump/valve controller subassembly is defective Plug connection of the power supply at the pump/valve controller subassembly has loosened. Plug connection of the data line at the pump/valve controller subassembly has loosened. Line break of the power supply at the pump/valve controller subassembly Line break in the data line	Table can only be operated manually.	Manual operation Call service technician
32	Malfunction data exchange with Sensor evaluation subassembly	Sensor evaluation subassembly is defective. Plug connection of the power supply at the sensor evaluation subassembly has loosened. Plug connection of the data line at the sensor evaluation subassembly has loosened. Line break of the power supply at the sensor evaluation subassembly Line break in the data line	Stop sign appears in the information bar of the display. The collision detection is no longer active. The 0-position can no longer be recalled.	Work can be continued with limitations. Call service technician
33	Malfunction data exchange with Handheld controller	Handheld controller is defective. Connection of the handheld controller has loosened. Plug connection of the data line to the handheld controller has loosened. Line break in the data line to the handheld controller Line break in the connection line of the handheld controller	Handheld controller can no longer be used.	Check and plug in the connection of the handheld controller. Use emergency operation or restart the table with plugged in handheld controller.
34	Malfunction data exchange with Foot controller	Foot controller is defective. Connection of the foot controller has loosened. Screw connection of the data line to the foot controller has loosened. Line break in the data line to the foot controller Line break in the connection line of the foot controller	Foot controller can no longer be used.	Check and plug in the connection of the foot controller. Use emergency operation or restart the table with plugged in foot controller.
35	Malfunction data exchange with emergency operation	Emergency operation is defective. Connection of the emergency operation has loosened. Screw connection of the data line to the emergency operation has loosened. Line break in the data line to the emergency operation Line break in the connection line of the emergency operation	Emergency operation can no longer be used.	Use other control unit Manual operation
36	Malfunction data exchange with power pack	Plug connection of the data line at the power pack subassembly has loosened. Plug connection of the data line at the main controller subassembly has loosened. Line break in the data line	Battery charge status is not displayed and ? in the battery symbol of the information bar Direct switch over between battery types is not possible. Bluetooth LED, in case Bluetooth is available, no longer lit	Work can be continued. To switch between operation modes, switch off the table first. Call service technician
37	Malfunction data exchange with Bluetooth module (internal)	Contacting Bluetooth module failure or Bluetooth module defective	Wireless operating devices without function	Use cable-bound control unit

Code	Status	Cause	What effect does it have on the user?	What can the user do?
41	Function malfunction sensor Seat	Position sensor is defective Plug connection to the sensor evaluation subassembly has loosened. Plug connection at the sensor has loosened. Line break of the sensor line	Stop sign appears in the information bar of the display. The collision detection is no longer active. The 0-position can no longer be recalled.	Work can be continued with limitations. Call service technician
42	Function malfunction sensor Back	Position sensor is defective Plug connection to the sensor evaluation subassembly has loosened. Plug connection at the sensor has loosened. Line break of the sensor line	Stop sign appears in the information bar of the display. The collision detection is no longer active. The 0-position can no longer be recalled.	Work can be continued with limitations. Call service technician
43	Function malfunction sensor Legs	Position sensor is defective Plug connection to the sensor evaluation subassembly has loosened. Plug connection at the sensor has loosened. Line break of the sensor line	Stop sign appears in the information bar of the display. The collision detection is no longer active. The 0-position can no longer be recalled.	Work can be continued with limitations. Call service technician
44	Function malfunction sensor Height	Linear sensor is defective Plug connection to the sensor evaluation subassembly has loosened. Line break of the sensor line	Stop sign appears in the information bar of the display. The collision detection is no longer active. The 0-position can no longer be recalled.	Work can be continued with limitations. Call service technician
45	Function malfunction sensor Longitudinal adjustment	Linear sensor is defective Plug connection to the sensor evaluation subassembly has loosened. Line break of the sensor line	Stop sign appears in the information bar of the display. The collision detection is no longer active. The 0-position can no longer be recalled.	Work can be continued with limitations. Call service technician

Code	Status	Cause	What effect does it have on the user?	What can the user do?
51	Overvoltage pump motor	Pump motor is blocked. Pump motor is defective. Pump/valve controller subassembly is defective	Electrical operation not possible	Manual operation Call service technician
52	Malfunction Rotary slide valve A	Valve position registration without function Valve motor is defective Line break in the data line motor cable Line break to the valve registration Plug connections are loose The outer telescope cover or an object is pressing against the function preselection wheels and is blocking them.	Electrical adjustment of height, lateral and Trendelenburg are out of function After one of these functions, the table can only be operated manually.	Manual operation Call service technician Using the foot pump, raise the table and remove the obstacle (object or electrical emergency operation).
53	Malfunction Rotary slide valve B	Valve position registration without function Valve motor is defective Line break in the data line motor cable Line break to the valve registration Plug connections are loose The outer telescope cover or an object is pressing against the function preselection wheels and is blocking them.	Electrical adjustment of back, leg plate, longitudinal adjustment and kidney/body elevator are out of function. After one of these functions, the table can only be operated manually. Electrical adjustment of height, lateral and Trendelenburg are out of function.	Manual operation Call service technician Using the foot pump, raise the table and remove the obstacle under the telescope cover (object or electrical emergency operation).

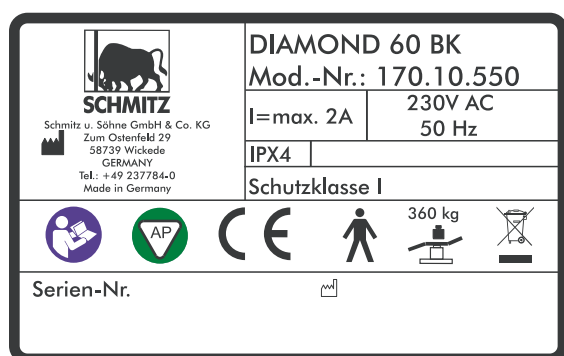
Code	Status	Cause	What effect does it have on the user?	What can the user do?
61	Malfunction data exchange with Bluetooth module (internal)	Contacting Bluetooth module failure or Bluetooth module defective	Control unit can no longer be used.	Use cable-bound control unit
62	Malfunction charging the internal battery	Charging function of the control unit is defective	Control unit can no longer be used.	Use cable-bound control unit
63	Malfunction of the internal battery	Battery of the control unit is defective	Control unit can no longer be used.	Use cable-bound control unit

Code	Status	Cause	What effect does it have on the user?	What can the user do?
71	Incompatibility between SW versions Main controller and power pack	SW versions are incompatible	Table can now only be used manually.	Manual operation Call service technician
72	Incompatibility between SW versions of main controller and pump/valve controller subassembly	SW versions are incompatible	Table can now only be used manually.	Manual operation Call service technician
73	Incompatibility between SW versions of main controller and sensor evaluation subassembly	SW versions are incompatible	Table can now only be used manually.	Manual operation Call service technician
74	Incompatibility between SW versions of main controller and handheld controller	SW versions are incompatible	Table can no longer be used with the handheld controller	Use emergency operation or otherwise foot controller Manual operation Call service technician
75	Incompatibility between SW versions of main controller and foot controller	SW versions are incompatible	Table can no longer be used with the foot controller	Use emergency operation or otherwise handheld controller Manual operation Call service technician
76	Incompatibility between SW versions of main controller and emergency operation	SW versions are incompatible	Table can now only be used manually.	Manual operation Call service technician

Code	Status	Cause	What effect does it have on the user?	What can the user do?
99	Fault data exchange between the control unit and the OP table.	Control unit / Main controller subassembly is defective. The connection to the control unit has been disconnected. Plug connection of the data line to the OP table has been disconnected. Line break in the data line to the OP table.	Control unit can no longer be used.	Inspect and check the connection of the control unit. Use a different control unit or restart table with plugged in control unit.

Product labelling

Example nameplate



Symbols used



Follow the manual



Potential equalisation



Device of the class AP



This device is covered by EC Directive 2002/96/EC (WEEE), among others. It was introduced into the market after 13 August 2005.



Application part of type B






General warning symbol



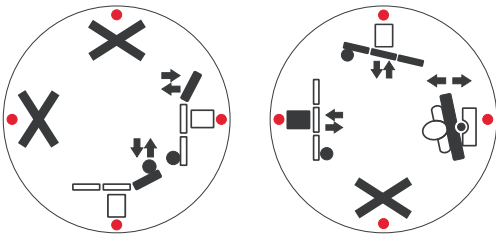
Jamming point! Hazards of impact or crushing!

Product labelling

The function of the operation table depends on the position of the pedals. The functions are identified by symbols.

Lock castors	Directional castor lifted	Directional castor added on
		
The pedal is pressed in back. All castors are locked. The operation table is secured against rolling away accidentally.	The pedal is horizontal. The directional castor is lifted. The operation table can be pushed in all directions.	The pedal is pressed in front. The directional castor is set onto the ground. The operation table can be moved straight ahead and be steered easily.

The operation table has two function pre-selection wheels in the mount for the electrical emergency operation with which the functions can be selected in the manual emergency operation. A function is pre-selected when the corresponding symbol is at the bottom. The preselected function can then be executed by two pump pedals.



Technical specifications

DIAMOND	50 BK Leg plate adjustment and Shortened back section	50 BG Leg plate adjustment and kidney/body elevator	60 BLK Leg plate adjustment and longitudinal adjustment and Shortened back section
Length of the bed surface (without accessories)	960 mm	1185 mm	960 mm
Length of the head plate	300 mm	300 mm	300 mm
Length of the leg plate	700 mm	700 mm	700 mm
Back section extension length	280 mm		280 mm
Width of the bed surface	550 mm	550 mm	550 mm
Total width	600 mm	600 mm	600 mm
Outer dimension of the carriage (length × width)	1140 mm × 705 mm	1140 mm × 705 mm	1140 mm × 705 mm
Diameter of the double castors	125 mm	125 mm	125 mm
Height adjustment range (without padding)	620 mm – 1120 mm	620 mm – 1120 mm	about 680 mm – 1180 mm
Trendelenburg, hydraulic	30°	30°	30°
Reverse Trendelenburg, hydraulic	30°	30°	30°
Lateral adjustment, hydraulic	±20°	±20°	±20°
Longitudinal adjustment of the bed surface, hydraulic			about 275 mm
Back section tilt, hydraulic	-40° – +70°	-40° – +70°	-40° – +70°
Raising the kidney/body elevator, hydraulic		about 100 mm	
Hydraulic tilt of the leg plates	-90° – +70°	-90° – +70°	-90° – +70°
Tilt of the leg plates, gas spring supported	-90° – +20°	-90° – +20°	-90° – +20°
Spreading of the leg plates	70°	70°	70°
Tilt of the head plate, gas spring supported	-45° – +25°	-45° – +25°	-45° – +25°
Setting angle of the head padding	25°	25°	25°
Total weight, incl. head and leg plates and possible back section extension	280 kg	285 kg	about 290 kg
Secure workload depending on position and accessories used	up to 360 kg	up to 360 kg	up to 360 kg
Battery operation	✓	✓	✓
Integrated charger / power pack	✓	✓	✓
Emergency operation by mains voltage	✓	✓	✓
Mechanical emergency actuation of all hydraulic functions	✓	✓	✓
Voltage range of the power pack	115 V / 230 V; 50 Hz / 60 Hz	115 V / 230 V; 50 Hz / 60 Hz	115 V / 230 V; 50 Hz / 60 Hz

Classification

Acc. directive 93/42 EEC the operation table is a medical device, class 1.


Standards applied

The operation table meets the following standard requirements:

- EN 60601-1:1990 + A1:1993 + A2:1995
- EN 60601-1-2:2002
- EN 60601-2-46:1998
- EN 60601-1-4:1996 + A1:1999
- EN 60601-1-6:2007
- EN 62304:2009-05
- EN ISO 14971
- DIN VDE 0100-710

Declaration of conformity

EG-Konformitätserklärung für Medizinprodukte
Declaration of EC-Conformity for Medical Devices



Hersteller
Manufacturer

Schmitz u. Söhne GmbH & Co. KG
 Zum Ostenfeld 29
 D-58739 Wickede (Ruhr)

Das Produkt,
The product,

Diamond – Operationstisch
Diamond – Operating table

Modell / Artikel:

Modell / Bezeichnung / Description	Artikel.Nr. / Modell-No.
Diamond 50 BK	170.10.550
Diamond 60 BLK	170.10.660
Diamond 60 BG	170.10.640

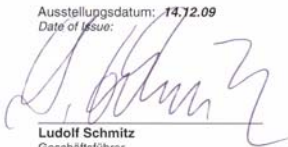
Produkt-Code gemäß Nomenklatur UMDNS: **13-961**
Product Code from nomenclature UMDNS:

in Verbindung mit den in Anhang 1 aufgeführten Zubehör,
in connection with the accessories, listed in annex 1,


entspricht den einschlägigen Bestimmungen der Richtlinie nach Anhang VII der Richtlinie:
is in accordance with the relevant provisions of the specific regulation acc. to Annex VII of the Directive:

93 / 42 / EWG für Medizinprodukte (Klasse I gemäß Artikel 9 der Richtlinie vom 14. Juni 1993)
93/42/EEC for Medical Device, Class I (acc. to art. 9 of the specific regulation of 14. June 1993)

Ausstellungsdatum: **14.12.09**
Date of issue:


Ludolf Schmitz
 Geschäftsführer
Managing director

Konformität erstmals erklärt am: **24.07.09**
First declaration of conformity issued:


Thomas Krüger
 Leitung Qualitätsmanagement
Head of quality management

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 Amtsgericht Amsberg HRA 4554, Persönlich haftende Gesellschafterin:
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 WEEE: DE-90062386

Geschäftsführer:
 Bernhard Schmitz, Ludolf Schmitz



Anhang 1 (Seite 1 von 2)
zur Konformitätserklärung für Medizinprodukte

Annex 1 (Page 1 of 2)
to the Declaration of EC Conformity for Medical Products

**Zubehör zum
OPX Diamond – Operationstisch**

**Accessories for
OPX Diamond – Operating table**

Bezeichnung	Description	Artikel-Nr.	Model No.
Schulterhalter (Paar)	Shoulder support (pair)	101.03.001	
Seitenhalter (1 Stück)	Lateral support (1 piece)	101.03.002	
Halter	Bracket for body support	101.03.003	
Stützrolle	Body support roll	101.03.004	
Schulter-/Seitenhalter	Shoulder/lateral support	101.03.005	
Rücken- und Gesäßstütze	Back/buttock support	101.03.006	
Pubis-/Sacrum-/Sternum-Stütze	Pubis/sacrum/sternum support	101.03.007	
Hand-OP-Platte	Arm/hand operating table	101.04.001, 101.04.002	
Oberarmlagerungsplatte	Upper arm positioning	101.04.003	
Oberarmlagerungsaggregat	Upper arm positioning device	101.04.004	
Oberarmgegenzugstab	Countertraction post for upper arm	101.04.005	
Weinberger Handfessel	Weinberger hand traction device	101.04.006	
Armauflage	Arm rest	101.05.001, 101.05.002	
Handfessel	Wristlet	101.05.003	
Handfessel	Wristlet	101.05.004	
Armschutz	Arm protector	101.05.005	
Beinfessel	Leg restraint strap	101.05.006	
Körpergurt	Body restraint strap	101.05.007	
Beingurt	Leg restraint strap	101.05.008	
Extensionsgerät	Extension device	101.06.001	
Aufnahmevorrichtung	Mounting fixture	101.06.002	
Polster	Pad	101.06.003	
Beckengipsaggregat mit Beckenzunge	Pelvis plaster adapter with pelvis support	101.06.005	
Kirschnerdraht-Bügel	Kirschner wire device	101.06.006	
Gegenzugstab für Seitenlage	Countertraction post for lateral position	101.06.007	
Unterschenkellagerungsaggregat	Traction device for tibial fractures	101.06.008	
Seitenschienenverlängerung (Paar)	Side rail extension (pair)	101.06.009	
2 Fußplatten für Kinder	2 foot plates for children	101.06.010	
2 Fußmanschetten für Kinder	2 traction boots for children	101.06.011	
Narkosebogen	Anaesthetic frame	101.07.001	
Narkosebogenverlängerung	Anaesthetic frame extension	101.07.002	
Flexibler Narkosebogen	Flexible anaesthetic frame	101.07.003	
Infusionsstange	Infusion pole	101.07.004	
Schlauchhalterung	Tube holder	101.07.005	
Instrumenten-Zureichetisch	Instrument serving table	101.07.006	
Stützrolle	Rectoscopy/Buttocks support	101.07.007	
Stützpolster	Knee/foot rest	101.07.008	
Verbreiterungselemente	Set of extension pads	101.07.009	
Fußplatte (Paar)	Foot rest (pair)	101.07.010	
Fußbedienung	Foot control	101.07.011	

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Anhang 1 (Seite 2 von 2)
zur Konformitätserklärung für Medizinprodukte

Annex 1 (Page 2 of 2)
to the Declaration of EC Conformity for Medical Products

**Zubehör zum
OPX Diamond – Operationstisch**

**Accessories for
OPX Diamond – Operating table**

Bezeichnung	Description	Artikel-Nr. Model No.
Schulterarthroskopieplatte	Shoulder arthroscopy plate	101.07.013
Knielagerungsaggregat	Knee positioning device	101.07.014
Knie-Ellenbogen Lagerungsaggregat	Knee-elbow positioning device	101.07.015
Transferbeinplatte (Paar)	Transfer leg plates (pair)	101.07.018
Seitenpolster (1 Stück)	Lateral support pads (pair)	101.07.019
Verbreiterungselemente	Set of extension pads	101.07.020
Schulterplatte	Shoulder plate	101.07.021
Potentialausgleichskabel	Potential equalization cable	101.07.022, 101.07.023
CFK-Strebe	CFRP crossbar	101.07.024
Kopfhalterung für Schulter-OP	Shape head rest for shoulder surgery	101.08.001
Haltearm	Supporting arm	101.08.002
Verbindungsstück	Connecting piece	101.08.003
Universaladapter	Universal adaptor	101.08.004
Kopfkalotte	Shaped head rest	101.08.005, 101.08.007
Zwischenstück	Connecting piece	101.08.006, 101.08.008
Handabstützbügel	Surgeon's arm rest	101.08.009
Befestigungsbügel	Cross-bar attachment	101.09.001
Polsterkissen	Cushion	101.12.001
Gel-Kopfpolster für Bauchlage	Gel head rest for supine positioning	101.12.002, 101.12.003
Gel-Kopftring	Gel head ring	101.12.004, 101.12.005
Gel-Kopftring	Gel head ring	101.12.006, 101.12.007
Gel-Seitenlagerungspolster	Gel pad for lateral positioning	101.12.008
Gel-Fersenpolster (Paar)	Gel heel pads (pair)	101.12.009
Tunnelkissen	Tunnel cushion	101.12.010
Doppelkissen	Double wedge pad	101.12.011
Kopftring	Head ring	101.12.012
Polsterkissen	Cushion	101.12.013
Beinhalter nach Göpel	Leg support (Goepel type)	101.13.002
Ellenbogenstützen	Elbow rests	101.13.003
Spülbecken mit Halterung	Rinsing basin with holder	101.13.006
Schwenkbecken mit Halterung	Swivel-mounted rinsing basin with holder	101.13.007
Siebeinsatz	TUR sieve	101.13.008
Uro-Adapter	Urological adaptor	101.13.009
Gyn-Adapter	Gynaecological adaptor	101.13.010
Kopfplatte	Head plate	101.14.001
Beinplatte	Leg section	101.14.002
Rückenteilverlängerungen, starr	Back section extension, fixed	101.14.003
Beinplatte	Leg section	101.14.004
Spannkloben	Attachment clamp	101.20.001, 101.20.002
Spannkloben	Attachment clamp	101.20.003, 101.20.004

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