DIAMOND
A class of its own
DIAMOND
Comfort and reliability in surgery
The table meeting your standards

Reliable in its tasks
Security → page 4 ff

Stable for a secure intervention
Stability → page 12

Mobile and flexible
Mobility → page 11
Resilient to extreme demands
Bariatric surgery → page 13

Easy to clean and hygienic
Hygiene → page 10

Optimal access to the surgical area
Foot space → page 12
Security for operational readiness and patient
A multilevel security system ensures uninterrupted surgical proceedings

1 Dual-level security system for all table functions
  Detachable manual control for a continuously convenient table adjustment (for DIAMOND 40 models: available as an option).
  Additional manual adjustment with pre-selection dials.
  First choose the desired function …

2 … then trigger the adjustment movement via the foot pedals.

3 Foot pedal on both sides for central locking and activation of the optional directional castor

Pre-selection dials for manual adjustment by means of foot pedals
**Four battery modules** in total, grouped in two independent battery blocks, supply sufficient energy for well over 100 surgical interventions. By this means, two energy sources ensure operational readiness of the table and warrant a mains-independent electrohydraulic adjustment of all table functions.

The DIAMOND operating table can be operated even when the mains cable is plugged in. Integrated charging unit, additional selector button at the central delivery point for mains power and battery mode, potential equalization terminal and mains switch. All connections and buttons are splash-proof.

A *Soft-Start* function that can be switched on and off guarantees an accurate table movement in e.g. spine surgery or in neurosurgery.
Security for operational readiness and patient

1 Hand control
 opcionaly: wireless hand control unit, transmission of signals via Bluetooth technology. **Illuminated display** indicating status information of the OR table, e.g. currently chosen position, Reverse-Mode function and status of battery charge backlit keypad.

2 Foot control
 opcionaly: wireless foot control unit, transmission of signals via Bluetooth technology.

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**Bluetooth**

Bluetooth technology allows a continuous operation of the OR table, regardless of sterile covers or the like that may come in between the control unit and the OR table. The Bluetooth control unit communicates exclusively with its assigned operating table, there is no danger of unintentionally activating a different device.

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**Examples for status information on the display**

- **Warning in case chosen table function is not compatible with attached extension device**
- **Table locking advice**

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See page 35 for more control elements.
Memory foam pads provide an efficient decubitus prophylaxis, reduce body heat loss and provide at the same time an enhanced comfort to the patient.

Integrated sensors alert the user visually via the display, acoustically by means of a warning beep and tactilly via vibrating alert to an imminent collision and stop the table movements automatically, e.g. in case the leg section is swivelled down with the table-top too much lowered, or the table-top is being lowered with an object between the table column and the foot cladding (model-dependent equipment feature).

For security reasons, table movements via the control elements are only carried out provided the castor brake is activated.

An unintentional table movement is prevented by the automatic switch-off function of the hand control unit after 60 seconds (adjustable). In addition, the adjustment mechanisms of the head and leg sections are secured against an unintentional triggering.

Adjustment of the individual table segments is carried out step by step and therefore gently on the patient. There is no risk-incurring simultaneous adjustment of several elements.

Tested for safety following the CB scheme according to IEC 60601 by an independent and authorized German testing institute.
Future-proof software and electronics

Thanks to our in-house-developed electronic parts and software, the DIAMOND OR table is well-prepared for future requirements. Regular updates for new software functions are thus assured.

1 Charging cradle
Inductive charging of Bluetooth hand controls in charging cradle. Choose from an upright version, a charging cradle for the side rail or practical wall mounting. The right storage solution for your Bluetooth hand controls, no more random cabling!

2 Activation by Motion
Automatic activation of hand control upon lifting it. No more searching for the on/off button during operations in darkened theatres.

3 Memory positions
Up to eight individually selectable positions can be stored and quickly and easily accessed at the touch of a button. The stored position is depicted graphically on the display.

Custom 0 position
Saving a custom height setting using the 0 position button allows you to easily transfer the patient to a bed or transporter.

(performance features depending on model)
4 Backlit control unit
Backlit control panel for safe and easy handling even in the darkened operating room.

5 Hand control vibration
The vibration alarm on the hand control, e.g. to warn of a collision, allows medical personnel to concentrate on the patient.

6 Soft-start function
When it comes down to millimetres! DIAMOND operating tables feature a soft-start function for fine-tuning. This allows a millimetre-precise adjustment thanks to the soft start-up of the motors.
1 A fixation of the pads by means of adhesive gel strips provides optimal retention of the pads. The adhesive gel strips are disinfection-proof creating optimised hygienic conditions inside the OR theatre.

2 Easy cleaning of the adhesive gel strips using a damp cloth.

3 The optional splash guard for the central delivery point at the foot of the DIAMOND operating table serves as a protection in fluid-intensive surgeries, e.g. in urology or obstetrics. The cleaning effort for the DIAMOND operating table is reduced significantly.

4 Even the underside of the DIAMOND operating table, so often a critical issue from the point of view of hygiene, can be conveniently cleaned by means of the cleaning shuttle.

The DIAMOND Operating table is moved into the device with the table top in its highest position, the frame of the cleaning shuttle is positioned under the seat section of the table. Lowering the table top then lifts the table base off the floor and gives access to its underside for cleaning.
High degree of directional stability and manoeuvrability thanks to an optional 5th castor and large swivel castors with a diameter of 125 mm. Moving patients around tight corners or down long corridors can be done with minimum effort. DIAMOND can also be moved easily inside the operating theatre according to the requirements of the surgical intervention.

5+6 Triple-function brake pedals on both sides of the table base for:
- Straight run with activation of the 5th castor for moving down long corridors or turning on the spot. The DIAMOND table retains its directional stability, even with a patient lying on top.
- Free manoeuvring with disabled 5th castor, e.g. inside the operating theatre in order to meet a change in positioning requirement during a surgical intervention.
- Brake function with locking of all castors providing high stability (5th castor available as an optional accessory)
Foot space and stability

1. Thanks to the Reverse Mode function, the DIAMOND offers excellent leg space to the surgical team and at the same time an improved intraoperative fluoroscopy.

2. The table base is shaped to offer optimal foot space to the surgeon.

3. A high stability against traction and compression forces allows challenging positions using the extension device.
Bariatric surgery

Positioning of bariatric patients using extension pads no. 101.0194.0

High weight capacity up to 454 kg
Longitudinal adjustment of tabletop by totally 300 mm
(DIAMOND 40 LK and DIAMOND 60 BLK)
Unrestricted X-raying of the patient; the longitudinal shift function creates a radiolucent area of 2,515 mm length.
Improved access to surgical field. Optimised leg and foot space.

Radiolucent area using the longitudinal shift function and the optional carbon plate
Examples for the use of a table with longitudinal shift

An optimized positioning of the patient can be achieved by using a table with longitudinal shift. Enlargement of the radiolucent area, improved access to the surgical area.
Performance features

1. **Electrically adjustable back section extension with kidney bridge functionality** enhancing the flexibility of DIAMOND as an operating table suitable for all surgical disciplines. This element is not fixed to the table, but can be attached or removed as required.

2. **Optional double panels** in the DIAMOND OR table top allow the use of all common X-ray cassettes.

3. **Electrohydraulic leg section and leg support adjustment function**, also serving as back section adjustment function in Reverse Mode, allows a precise patient position and intraoperative corrections of position. (model-dependent equipment feature)

4. **Head and leg plates removable at the push of a button** Patient positioning in reverse mode thanks to an easy exchange of head and leg plate. The interlocking adaptors allow an easy attachment of the table elements and plug-in accessories.
Multilevel telescopic lifting column – Made by SCHMITZ
with a lift of 500 mm and an initial height of up to 615 mm (depending on the model).
The low-maintenance design of the telescopic lifting column guarantees a long service life.

SIM integration module
for an optional integration of the DIAMOND operating table into the Storz OR1™ NEO and Richard Wolf Core central control system, secure bidirectional data transfer.
Please let our experts advise you.

Generous height adjustment range
Optimal access to the surgical field in both standing and sitting surgery.
Fatigue-free and ergonomic surgical work.
Positionings

Thoracic surgery/kidney position

Gall bladder surgery

Breast surgery

Breast surgery
Positionings

Gynaecology

Urology

Urology/TUR
Fractures of the shaft of the femur

Fractures of the neck of femur

Tibial shaft fractures

Hip arthroscopy
Positionings

Hip surgery

Spinal surgery

Spinal surgery

Neurosurgery

Neurosurgery
Positionings

Shoulder arthroscopy

Flexible adjustment of patient’s head to right and left

Foldable and detachable pad segments

Body supports for lateral patient support, can be attached in different heights
Positioning for gynaecology/urology using the leg section ModuLeg

Patient preparation Gynaecology/Urology

Removable thigh plates

Gynaecology/ Urology
Positionings

Knee arthroscopy

Hand surgery

Shoulder surgery using the shoulder traction system

Humeral nailing
Secure positioning in minimally invasive surgery by means of vacuum mattress

Secure positioning in thoracic surgery by means of vacuum mattress

Optional handles for ergonomic moving of the table
Positionings for minimally invasive hip replacement and hip arthroscopy using Condor® RotexTable
Positionings for spinal surgery using Allen® Spine System
Recommended accessories for DIAMOND operating tables

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<td>Wristlet</td>
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<tr>
<td>Body restraint</td>
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<td>Anaesthetic</td>
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<tr>
<td>Anaesthetic</td>
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<table>
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<th>Urology/TUR</th>
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<tr>
<td>DIAMOND 60 BLK/40 LK</td>
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<td>Head plate</td>
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<tr>
<td>Leg section</td>
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<tr>
<td>Transfer leg</td>
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<tr>
<td>Leg section</td>
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<tr>
<td>Gyn. adaptor</td>
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<tr>
<td>Rinsing basin</td>
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<tr>
<td>TUR sieve</td>
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<table>
<thead>
<tr>
<th>Gynaecology</th>
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<th>Minimally invasive surgery/Laparoscopy</th>
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<tr>
<td>DIAMOND 60 BLK with gyn. cutout</td>
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<tr>
<td>Head plate</td>
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<tr>
<td>Leg section</td>
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<tr>
<td>Transfer leg plates</td>
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<tr>
<td>Optionally:</td>
</tr>
<tr>
<td>Gyn. adaptor</td>
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<tr>
<td>Rinsing basin with outlet</td>
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<tr>
<td>TUR sieve</td>
</tr>
</tbody>
</table>

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<tr>
<th>MIS/Laparoscopy</th>
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<tbody>
<tr>
<td>Head plate</td>
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</tr>
<tr>
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<td>Gyn. adaptor</td>
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<tr>
<td>Anaesthetic</td>
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<tr>
<td>Anaesthetic</td>
</tr>
</tbody>
</table>

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**ENT/OMFS**

DIAMOND 50 BK or 60 BLK
OR table model w/o gyn. cutout

**variant 1**
- 101.0017.2 Head plate
- 101.0332.0 Gel head ring
- 101.0116.2 Leg section

**variant 2** - Reverse patient position instead of the leg section
- 101.0441.1 OMFS plate

Alternatively:
- 101.0141.1 Universal adaptor
- 101.0155.0 Horseshoe head rest
- 101.0363.0 Head rest connector
- 101.0116.2 Leg section

Additionally, for all variants:
- 2x 101.0019.0 Arm rest
- 101.0177.0 Body restraint strap

Optionally foot control

**Rectum surgery**

OR table model with gyn. cutout
**variant 1** in lithotomy position
- 101.0017.2 Head plate
- 2x 101.0115.0 Göpel-type leg support
- 2x 101.0146.0 Clamp
- 2x 101.0019.0 Arm rest
- 101.0010.0 Shoulder support (pair)

As an alternative to:
- 101.0115.0/101.0146.0
- 101.0570.0 Leg section ModuLeg

**variant 2** in prone position
- 101.0017.2 Head plate
- 101.0116.2 Leg section with gyn. cutout
- 2x 101.0019.0 Arm rest
- 101.0186.0 Knee/foot rest
- 2x 101.0190.0 Lateral support pad
- 101.0178.0 Rectoscopy/Buttocks support
- 2x 101.0146.0 Clamp
- 101.0012.0 Anaesthetic frame
- 101.0111.0 Anaesthetic frame extension

**Ophthalmology**

Reverse patient position
DIAMOND 50 BK or 60 BLK
w/o gyn. cutout
**variant 1**
- 101.0131.1 Back section extension
- 101.0116.2 Leg section
- 101.0019.0 Arm rest
- 101.0141.1 Universal adaptor
- 101.0256.0 Horseshoe head rest with one-hand operation

**variant 2**
- 101.0441.1 OMFS plate
- 2x 101.0019.0 Arm rest

Optionally foot control

**Kidney surgery/Thoracic surgery**

DIAMOND 50 BK or 60 BLK
with gyn. cutout
**variant 1**
- 101.0172.2 Head plate
- 101.0116.2 Leg section w/o gyn. cutout

Alternatively:
- 101.0159.0 Back section extension, inclinable
- 101.0352.0 Gel lateral leg positioner
- 3x 101.0121.0 Support
- 2x 101.0162.0 Back/Buttock support
- 101.0175.0 Pubis support
- 2x 101.0192.0 Arm rest
- 101.0177.0 Body restraint strap
- 101.0012.0 Anaesthetic frame
- 101.0111.0 Anaesthetic frame extension
### Bariatric surgery

<table>
<thead>
<tr>
<th>Item Code</th>
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<tbody>
<tr>
<td>101.0017.2</td>
<td>Head plate</td>
</tr>
<tr>
<td>101.0116.2</td>
<td>Leg section with gyn. cutout</td>
</tr>
<tr>
<td>101.0570.0</td>
<td>Leg section ModuLeg</td>
</tr>
<tr>
<td>101.0194.0</td>
<td>Set of extension pads, 500 mm long (set of 2)</td>
</tr>
<tr>
<td>101.0200.0</td>
<td>Set of extension pads, 300 mm long (set of 2)</td>
</tr>
<tr>
<td>2x 101.0019.0</td>
<td>Arm rest</td>
</tr>
<tr>
<td>2x 101.0455.0</td>
<td>Body restraint strap</td>
</tr>
<tr>
<td>101.0368.0</td>
<td>Foot plate (pair)</td>
</tr>
<tr>
<td>101.0010.0</td>
<td>Shoulder support (pair)</td>
</tr>
<tr>
<td>101.0185.0</td>
<td>Leg restraint strap</td>
</tr>
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</table>

### Vascular surgery

**DIAMOND 60 BLK w/o gyn. cutout**

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<tr>
<td>101.0017.2</td>
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<tr>
<td>101.0116.2</td>
<td>Leg section</td>
</tr>
<tr>
<td>101.0131.1</td>
<td>Back section extension, fixed</td>
</tr>
<tr>
<td>2x 101.0019.0</td>
<td>Arm rest</td>
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</tbody>
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### Neurosurgery

**DIAMOND 50 BK or 60 BLK w/o gyn. cutout**

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>101.0116.2</td>
<td>Leg section w/o gyn. cutout</td>
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</table>

#### Spinal surgery

**DIAMOND 60 BLK/40 LK w/o gyn. cutout**

<table>
<thead>
<tr>
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<tr>
<td>101.0017.2</td>
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<td>Leg section</td>
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<td>101.0131.1</td>
<td>Back section extension, fixed</td>
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#### Spinal surgery

**DIAMOND 60 BLK/40 LK w/o gyn. cutout**

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<tr>
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<td>101.0017.2</td>
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<tr>
<td>101.0116.2</td>
<td>Leg section</td>
</tr>
<tr>
<td>101.0131.1</td>
<td>Back section extension, fixed</td>
</tr>
</tbody>
</table>

### Accessories

- **Recommended accessories for DIAMOND operating tables**
- **Bariatric surgery**
- **Vascular surgery**
- **Neurosurgery**
- **Spinal surgery**

- **Recommended accessories for head positioning in radiolucent material**

- **32**
Lower limb trauma surgery

OR table model w/o gyn. cutout

101.0017.2 Head plate
101.0270.0 Extension device with basic accessories:
   2 extension bar supports,
   2 foot plates for adults,
   2 traction boots for adults,
   1 countertraction post for dorsal position
101.0110.0 Mounting fixture
101.0250.0 Mounting arbor
or
101.0260.0 Mounting arbor
101.0290.0 Transport trolley
or
101.0221.0 Transport trolley
101.0491.0 Positioning plate for dorsal position
101.0324.0 Positioning plate for lateral position
101.0350.0 Countertraction post for lateral position
101.0218.0 Transfer leg plates
101.0019.0 Arm rest
101.0012.0 Anaesthetic frame
101.0137.0 Wristlet
add. for treatment of femur/neck of femur:
101.0115.0 Göpel-type leg support
101.0146.0 Clamp
101.0193.0 Side rail extension
add. for treatment of tibial fracture:
101.0280.0 Traction device for tibial fractures
101.0165.0 Kirshner wire device
101.0254.0 Condyle fixation
101.0115.0 Göpel-type leg support
101.0146.0 Clamp
101.0193.0 Side rail extension
add.: for hip arthroscopy:
101.0320.0 Pad
101.0310.0 Special shoe
101.0330.0 Disposable inner shoe

Upper limb trauma surgery

OR table model w/o gyn. cutout

101.0017.2 Head plate
101.0116.2 Leg section
101.0136.0 Humerus positioning device
101.0146.0 Clamp
101.0152.0 Humerus countertraction post
101.0146.0 Clamp
101.0163.1 Weinberger hand traction device
101.0122.0 Upper arm positioning device
101.0117.0 Clamp
101.0257.0 Axilla support
101.0258.0 Elbow support
101.0105.0 Traction unit
101.0123.0 Wristlet
101.0177.0 Body restraint strap

Knee arthroscopy

OR table model w/o gyn. cutout

101.0017.2 Head plate
101.0171.1 Leg section
101.0212.0 Knee positioning device
101.0146.0 Clamp
alternatively:
101.0583.0 Knee arthroscopy support
101.0019.0 Arm rest
101.0012.0 Anaesthetic frame
101.0137.0 Wristlet

Shoulder arthroscopy

DIAMOND 50 BK or 60 BLK w/o gyn. cutout, beach chair position:

101.0244.1 Shoulder surgery plate
101.0116.2 Leg section
101.0266.0 Shaped head rest for shoulder surgery
101.0364.0 Head rest connector
2x 101.0019.0 Arm rest
101.0177.0 Body restraint strap
in lateral position:
101.0253.0 Shoulder traction device
101.0265.0 Sterile arm trap
**DIAMOND**

**Overview of models**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
</tr>
</thead>
</table>
| 170.4001.1 | **DIAMOND 40 K**  
Universal operating table with electrohydraulic adjustment by means of optional hand-held control unit of 4 table functions: Raise/Lower, Lateral, Trendelenburg/Reverse Trendelenburg. Back section. Additional adjustment of these functions by means of optional detachable emergency control (electrohydraulic) model no. 101.0361.0 or emergency handwheels and foot pump (hydraulic). Optionally with or without gyn. cutout. Rechargeable batteries. Integrated battery charger with mains cable. Mobile on 4 double castors with central lock, 2 of which antistatic. 1 of the 4 castors with directional lock. Without head and leg plates, back section extension and hand control unit. |
| 101.0227.0 | 5th directional castor  
additional spring-loaded fifth directional castor for DIAMOND models, activated by dual-side foot pedal, not retrofittable. |
| 101.0430.0 | Double table top  
for X-ray cassette insertion, for DIAMOND OR tables with gyn. cutout. (w/o ill.) |
| 101.0361.0 | Emergency control DIAMOND 40  
detachable, cable-connected hand control for all adjustment functions of the table acc. to its hand/foot control, attached to the table column. |
| 170.4002.1 | **DIAMOND 40 LK**  
similar to DIAMOND 40 K model, but in addition: electrohydraulic longitudinal shift function of table-top by totally 300 mm for optimal use of image intensifier. Without head and leg plates, back section extension and hand control unit. |
| 101.0227.0 | 5th directional castor  
additional spring-loaded fifth directional castor for DIAMOND models, activated by dual-side foot pedal, not retrofittable. |
| 101.0430.0 | Double table top  
for X-ray cassette insertion, for DIAMOND OR tables with gyn. cutout. (w/o ill.) |
| 101.0361.0 | Emergency control DIAMOND 40  
detachable, cable-connected hand control for all adjustment functions of the table acc. to its hand/foot control, attached to the table column. |
| 170.5500.1 | **DIAMOND 50 BK**  
Universal operating table with electrohydraulic adjustment by means of optional hand-held control unit of 5 table functions: Raise/Lower, Lateral, Trendelenburg/Reverse Trendelenburg, Back section, Leg section. Additional adjustment of these functions by means of detachable emergency control (electrohydraulic) or emergency handwheels and foot pump (hydraulic). With memory function for 8 freely selectable positions and custom 0 position. Optionally with or without gyn. cutout. Rechargeable batteries. Integrated battery charger with mains cable. Mobile on 4 double castors with central lock, 2 of which antistatic. 1 of the 4 castors with directional lock. Without head and leg sections, back section extension and hand control unit. |
| 101.0227.0 | 5th directional castor  
additional spring-loaded fifth directional castor for DIAMOND models, activated by dual-side foot pedal, not retrofittable. |
| 101.0430.0 | Double table top  
for X-ray cassette insertion, for DIAMOND OR tables with gyn. cutout. (w/o ill.) |
| 170.6000.1 | **DIAMOND 60 BLK**  
similar to DIAMOND 50 BK, but in addition: Electro-hydraulic longitudinal shift function of table-top by totally 300 mm for optimal use of image intensifier. Without head and leg sections, back section extension and hand control unit. |
| 101.0227.0 | 5th directional castor  
additional spring-loaded fifth directional castor for DIAMOND models, activated by dual-side foot pedal, not retrofittable. |
| 101.0430.0 | Double table top  
for X-ray cassette insertion, for DIAMOND OR tables with gyn. cutout. (w/o ill.) |
| 101.0213.0 | Surcharge for 80 mm pads  
for all DIAMOND models. (w/o ill.) |
Control elements

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<tr>
<th>Model No.</th>
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<tr>
<td>101.0380.1</td>
<td><strong>Hand control unit, cable-connected</strong>&lt;br&gt;plastic casing, sealed against ingress of fluids, cable-connected.&lt;br&gt;Illuminated TFT display indicating all status information of the table.&lt;br&gt;Backlit keyboard for all adjustment functions.&lt;br&gt;For DIAMOND 50/60 models.</td>
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<tr>
<td>101.0590.1</td>
<td><strong>Hand control unit, cable-connected</strong>&lt;br&gt;similar to 101.0380.1, but for DIAMOND 40 models, without electrohydraulic leg section adjustment function. (w/o ill.)</td>
</tr>
<tr>
<td>101.0214.1</td>
<td><strong>Hand control unit, Bluetooth</strong>&lt;br&gt;plastic casing, sealed against ingress of fluids, wireless Bluetooth connection.&lt;br&gt;Illuminated TFT display indicating all status information of the table.&lt;br&gt;Backlit keyboard for all adjustment functions.&lt;br&gt;Requires Bluetooth preparation 101.0391.1 and charging cradle 101.0356.0, 101.0357.0 or 101.0358.0! For DIAMOND 50/60 models.</td>
</tr>
<tr>
<td>101.0591.1</td>
<td><strong>Hand control unit, Bluetooth</strong>&lt;br&gt;similar to 101.0214.1, but for DIAMOND 40 models, without electrohydraulic leg section adjustment function. Requires Bluetooth preparation 101.0391.1 and charging cradle 101.0356.0, 101.0357.0 or 101.0358.0! (w/o ill.)</td>
</tr>
<tr>
<td>101.0206.1</td>
<td><strong>Foot control, cable-connected</strong>&lt;br&gt;Cast aluminium casing, sealed against ingress of fluids, antiskid, cable-connected.&lt;br&gt;For all table adjustment functions analogous to its hand-held control. Backlit TFT display for easy navigation, control panel illuminated by LEDs in the foot bar (for MIS).&lt;br&gt;Activation key and “Return to zero” key. Can be connected to the table at the same time as the hand-held control unit. Requires preparation for foot control 101.0397.0. For DIAMOND 50/60 models.</td>
</tr>
<tr>
<td>101.0359.0</td>
<td><strong>Foot control, cable-connected</strong>&lt;br&gt;for DIAMOND 40 models, similar to 101.0206.1, without electrohydraulic leg section adjustment function. Requires preparation for foot control 101.0397.0! (w/o ill.)</td>
</tr>
<tr>
<td>101.0397.0</td>
<td><strong>Preparation for cable-connected foot control</strong>&lt;br&gt;Preparation of DIAMOND operating table for use of a cable-connected foot control unit. (w/o ill.)</td>
</tr>
<tr>
<td>101.0216.1</td>
<td><strong>Foot control, Bluetooth</strong>&lt;br&gt;Cast aluminium casing, sealed against ingress of fluids, antiskid, wireless Bluetooth connection. For all table adjustment functions analogous to its hand-held control. Backlit TFT display for easy navigation, control panel illuminated by LEDs in the foot bar (for MIS).&lt;br&gt;Activation key and “Return to zero” key. Can be connected to the table at the same time as the hand-held control unit. Requires Bluetooth preparation 101.0391.1! For DIAMOND 50/60 models.</td>
</tr>
<tr>
<td>101.0360.0</td>
<td><strong>Foot control, Bluetooth</strong>&lt;br&gt;for DIAMOND 40 models, similar to 101.0216.1, however without electrohydraulic leg section adjustment function (w/o ill.)</td>
</tr>
<tr>
<td>101.0391.1</td>
<td><strong>Bluetooth preparation</strong>&lt;br&gt;Preparation of DIAMOND operating table for use of Bluetooth hand and foot control unit. (w/o ill.)</td>
</tr>
</tbody>
</table>

We recommend to always have the table equipped with the Bluetooth preparation in order to be able to profit from the advantages of the Bluetooth system even at a later date.

The Bluetooth control units for DIAMOND 40 models are only available in conjunction with a cable-connected control unit! Please take this into account when placing your order.
Please provide an appropriate charging cradle for your Bluetooth hand control!
Model No. | Description
---|---
101.0356.0 | **Charging cradle, pedestal version**  
for DIAMOND operating tables, pedestal version, charging cradle for inductive charging of Bluetooth hand control unit, with LED status display, incl. mains adaptor.  
You can continue using the hand control while it is charging in the charging cradle.

101.0357.0 | **Charging cradle, wall mount**  
same as charging cradle 101.0356.0, but wall-mounted version.

101.0358.0 | **Charging cradle, side rail**  
same as charging cradle 101.0356.0, but version for attaching to side rail.
# Basic equipment

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
</tr>
</thead>
</table>
| 101.0017.2      | **Head plate**  
double-adjustment, automatic latching of pad inclination, integrated gas spring for weight compensation, detachable. |
| 101.0480.0      | **Double table top**  
for X-ray cassette insertion, for head plate 101.0017.2. (w/o ill.)         |
| 101.0145.2      | **Leg section**  
one-section type, manual folding with gas spring assistance, detachable.       |
| 101.0490.0      | **Double table top**  
for X-ray cassette insertion, for leg plate 101.0145.2. (w/o ill.)            |
| 101.0116.2      | **Leg section**  
split type, fold-down, swivelling via latching mechanism, sealed against fluids, integrated gas spring for weight compensation, detachable, with carrying handles.  
Optionally without gyn. cutout. |
| 101.0500.0      | **Double table top**  
for X-ray cassette insertion, for leg plates 101.0116.2. (w/o ill.)            |
| 101.0159.0      | **Back section extension, fixed**  
to be attached to the short back section, length 280 mm.                         |
| 101.0510.1      | **Double table top**  
for X-ray cassette insertion, for back section extension, fixed 101.0159.0. (w/o ill.) |
| 101.0159.0      | **Back section extension, inclinable**  
to be attached to the short back section, for stretching patient’s upper body in thoracic surgery and abdominal interventions, electromotive downward tilt up to 40°, length 300 mm including adapted pad for head section.  
Requires preparation for electr. adj. accessory 101.0238.0! |
| 101.0238.0      | **Preparation for electr. adj. accessory**  
Preparation of DIAMOND operating table for electrically adjustable accessory. (w/o ill.) |
| 101.0580.0      | **Double table top**  
for X-ray cassette insertion, for back section extension, inclinable 101.0159.0. (w/o ill.) |
<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
</tr>
</thead>
</table>
| 101.0171.1  | **Leg section**  
four-part, front part foldable down to 155°, swivelling via latching mechanism, detachable.  
Optionally without gyn. cutout. |
| 101.0540.0  | **Double table top**  
for X-ray cassette insertion, for leg plates 101.0171.1. (w/o Ill.)          |

A closed construction allows easy cleaning, thus meeting the highest demands of hygiene.

A dual safety system for adjusting the leg plate prevents an accidental folding of the lower segment.

The folding function can only be carried out after releasing the safety lever and triggering the safety handle.

For further accessories, see catalogue no. 92.
DIAMOND
Technical data
Configuration

Length of table-top 960 mm
Length of head section 300 mm
Length of leg section 700 mm
Width of table-top 550 mm
Overall width 600 mm
Table footprint (length x width) 1,140 mm x 705 mm
Diameter of double castors 125 mm
Height adjustment range (w/o pads)
- DIAMOND 40 K 615 mm - 1,115 mm
- DIAMOND 50 BK 620 mm - 1,120 mm
- incl. longitudinal shift function
DIAMOND 40 LK 665 mm - 1,165 mm
DIAMOND 60 BLK 680 mm - 1,180 mm
Trendelenburg, electrohydraulic 30°
Reverse Trendelenburg, electrohydraulic 30°
Lateral adjustment, electrohydraulic +/- 20°
Longitudinal shift (DIAMOND 40 LK and DIAMOND 60 BLK) approx. 300 mm
Radiolucent area, DIAMOND 40 LK/60 BLK with longitudinal shift
- with head & leg sections and back section extension, totally 2,515 mm
- with carbon plate (see image on page 14) 2,705 mm
Back section, electrohydraulic - 40°/+ 70°
- with shoulder surgery plate - 20°/+ 90°
Electrohydraulic inclination of leg section (DIAMOND 50 BK and 60 BLK) - 90°/0°
Manual inclination of leg section, gas spring assisted - 90°/0°
Spread angle of leg plates 120°
Inclination of head section, gas spring assisted - 45°/+ 25°
Tilt angle of head section pad 25°
Total weight incl. head and leg sections approx. 280 kg
Total weight capacity up to 454 kg
Safe working load up to 360 kg
Battery operation
Integrated battery charger/mains adaptor
Emergency operation via mains power supply
Mechanical emergency override of all hydraulic functions
Voltage range of mains adaptor 115 V/230 V, 50/60 Hz

Standard configuration:
Two-section, radiolucent table-top composed of:
- Back section
- Seat section with cutout for gynaecology (optionally also without gyn. cutout)

Electrohydraulic adjustment functions:
- High/Low
- Trendelenburg/Reverse Trendelenburg
- Lateral tilt
- Back section
- Leg plates (DIAMOND 50 BK and DIAMOND 60 BLK)
- Longitudinal shift function (DIAMOND 40 LK and DIAMOND 60 BLK)

Override systems:
Independent adjustment of table functions by means of detachable emergency control panel (for DIAMOND 40 models: available as an option), electrohydraulic and emergency control handwheels at the column and foot pump (hydraulic).

Radiolucent table-top, SAF mattress, 60 mm thick, antistatic. Stainless steel table frame construction, sandblasted and electropolished, disinfection-proof. Stainless steel side rails 25 x 10 mm on both sides of the table-top for attachment of accessories, telescopic height adjustment column with stainless steel cover. Table base cover of impact-proof ABS, colour silver-grey, with two inlaid SST plates to protect the cover, SST floor pan. All SST elements are made of high-grade material, EN steel number 1.4301. Chassis with 4 double castors, with central lock, 2 of which antistatic. 1 of the 4 castors with directional lock. 5th spring-loaded directional castor, activated by foot pedal on both sides (optional accessory). Table with return-to-zero function and crash detection (performance features depending on model). Memory function and individual setting of 0 position (DIAMOND 50 and 60 models). Input voltage at power supply: 115 V/230 V, 50/60 Hz.

Note!
We recommend an annual service check and maintenance of the operating tables.

For further information on DIAMOND please visit our website www.schmitz-soehne.com!
Trendelenburg/Reverse Trendelenburg

Leg section adjustment

Longitudinal shift and radiolucent area

Back section extension, inclinable

Height adjustment range (e.g. DIAMOND 50 BK)

Back section adjustment with shoulder surgery plate

Back section adjustment

Lateral

Reflex

Flex
DIAMOND
Recommended Configuration Options

101.0155.0 Horseshoe head rest
101.0179.0 Horseshoe head rest
101.0363.0 Head rest connector
101.0017.2 Head plate
101.0141.1 Universal adaptor
101.0159.0 Back section extension, el. inclinable
101.0131.1 Back section extension, fixed
101.7151.1 Carbon plate
101.0441.1 OMFS plate

For further accessories, please see our catalogue no. 92. Additional configuration options are described in the operating manual.
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Nominal charge 3.00 Euro.