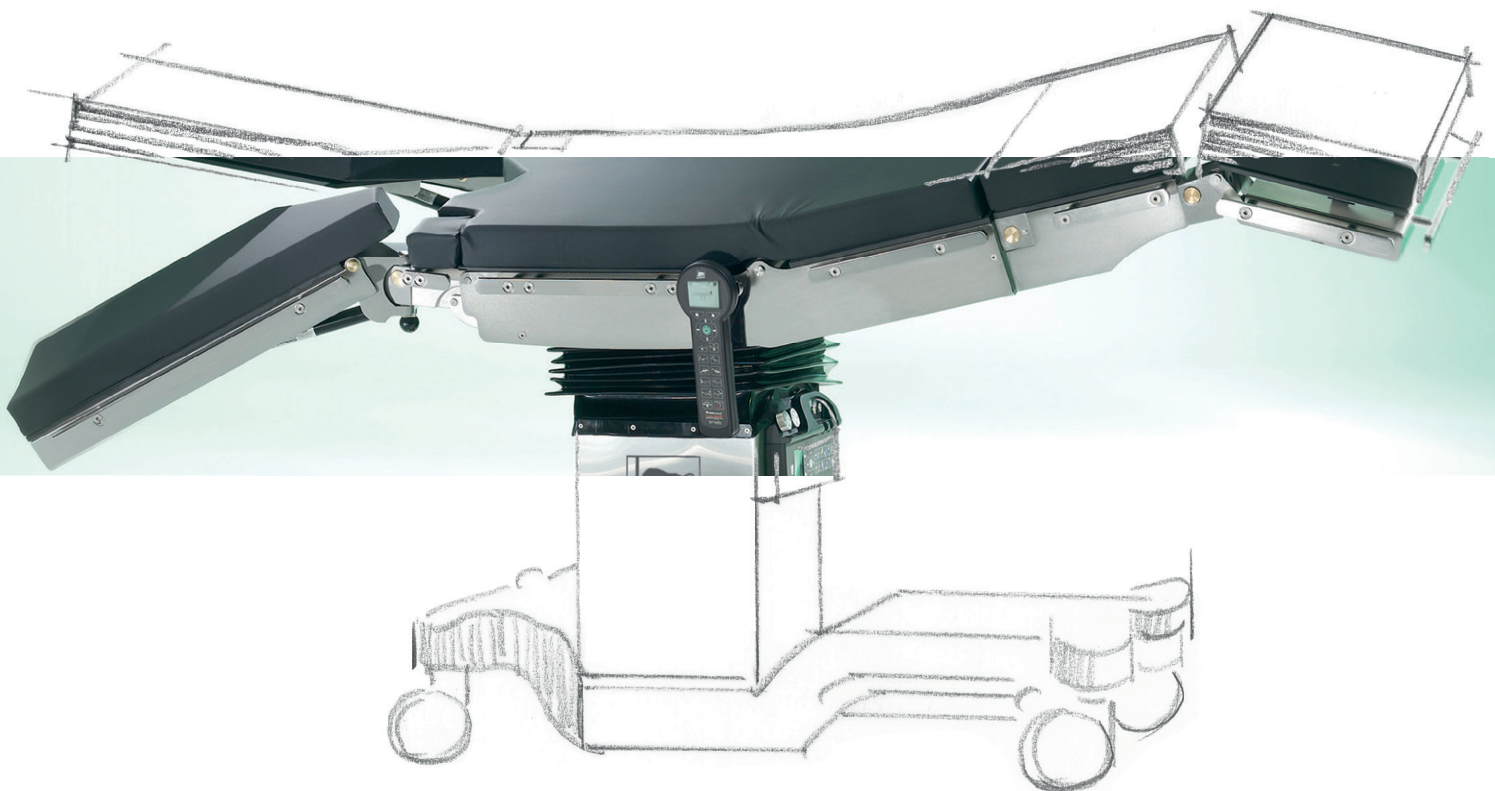




DIAMOND

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



red**dot** design award

Made in Germany



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 ...

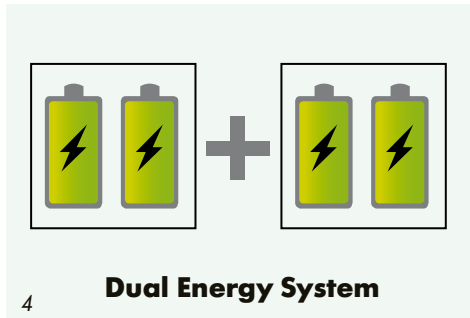
2

... 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





4 **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.



5 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.



6 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

(optionally: 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.

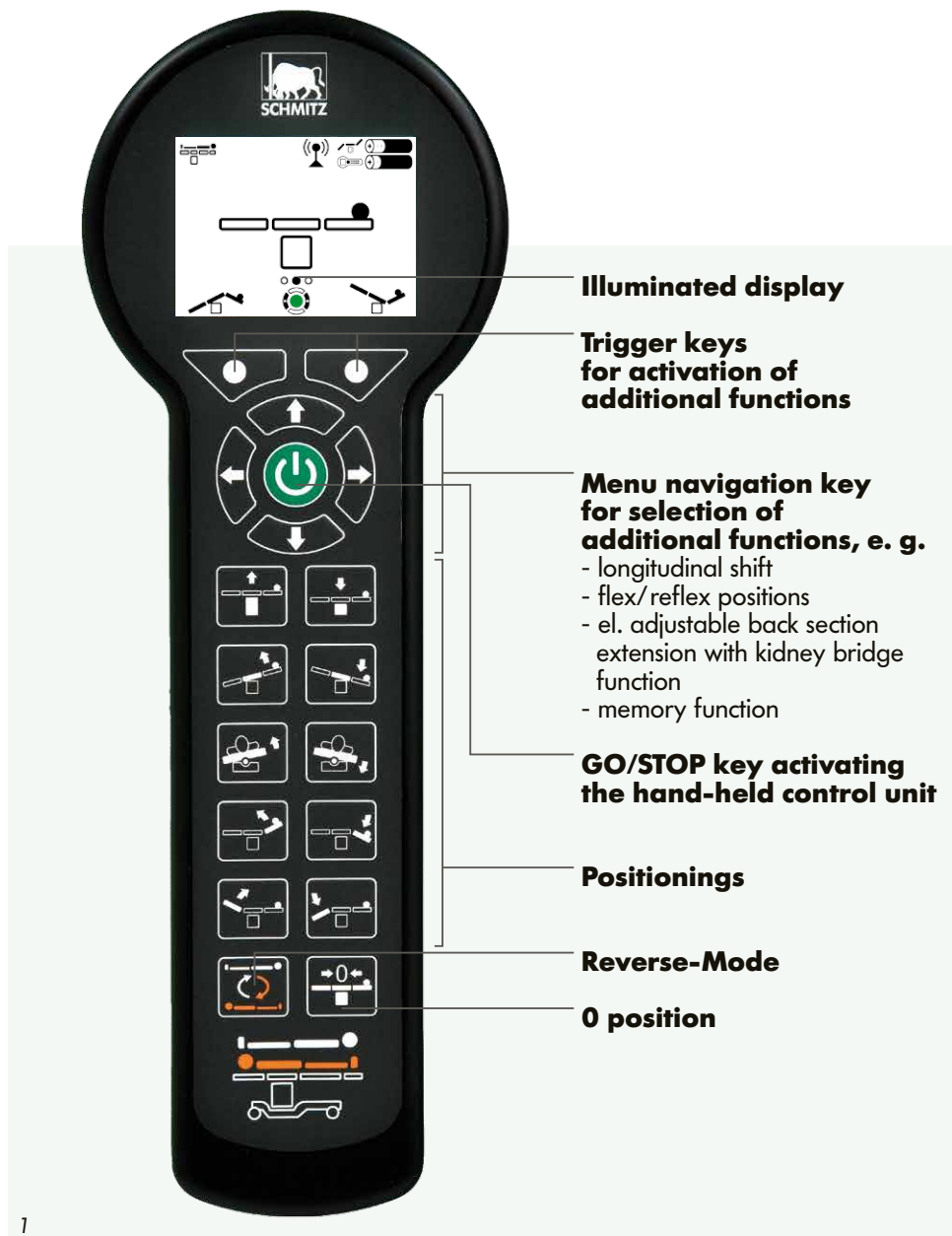
2

Foot control

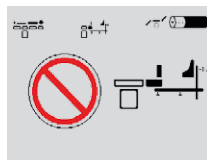
(optionally: wireless foot control unit, transmission of signals via Bluetooth technology)



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.



Examples for status information on the display



Warning in case chosen table function is not compatible with attached extension device

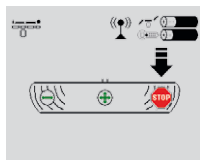
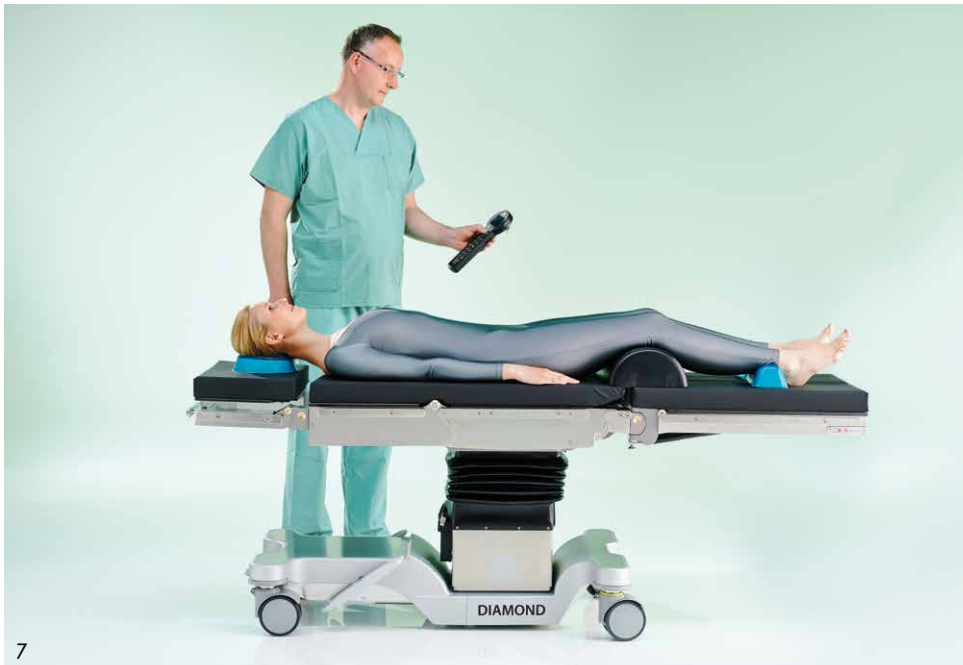
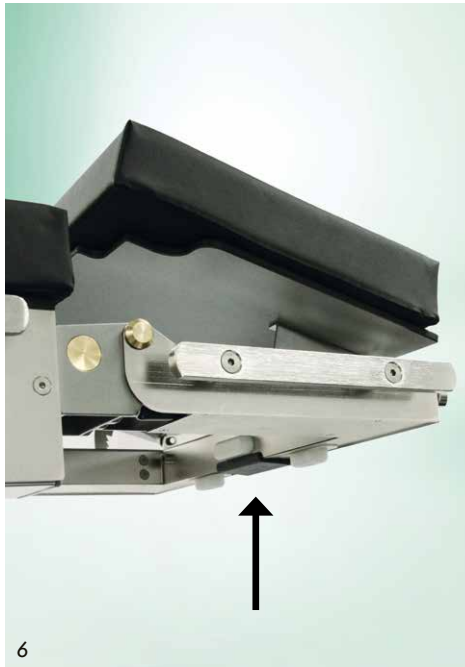
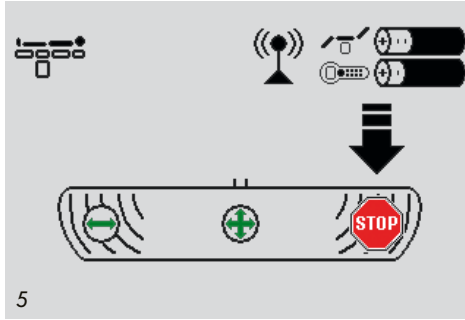


Table locking advice

See page 35 for more control elements.





3 **Memory foam pads** provide an efficient decubitus prophylaxis, reduce body heat loss and provide at the same time an enhanced comfort to the patient.

4 **Integrated sensors** alert the user visually via the display, acoustically by means of a warning beep and tactilely 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).

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

6 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.

7 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.

8 Tested for safety following the **CB scheme according to IEC 60601** by an independent and authorized German testing institute.

IEC		TECEC SCHEME		Ref. Certif. No. DE1-53353
IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME		SYSTEME CEI D'ACCEPTATION MUTUELLE DE CERTIFICATS D'ESSAIS DES EQUIPEMENTS ELECTRIQUES (IECEE) METHODE OC		
CB TEST CERTIFICATE		CERTIFICAT D'ESSAI OC		
Product Produit	Operating table			
Name and address of the applicant Nom et adresse du demandeur	Schmitz u. Söhne GmbH & Co. KG Zum Osterfeld 29, 58739 Wickede (Ruhr) GERMANY			
Name and address of the manufacturer Nom et adresse du fabricant	Schmitz u. Söhne GmbH & Co. KG Zum Osterfeld 29, 58739 Wickede (Ruhr) GERMANY			
Name and address of the factory Nom et adresse de l'usine	Schmitz & Söhne GmbH & Co. KG Werk Boenen Rusthof-Deisel-Straße 5, 59199 Boenen GERMANY			
Notes (when more than one factory, please report on page 2) Remarques (si plus d'une usine, veuillez aller à la 2 ^{ème} page)	☐ Additional information on page 2			
Rated and principal characteristics Valeurs nominales et caractéristiques principales	AC 110 - 120 V, AC 220 - 240 V, 50/60 Hz, max. 2 A			
Trademark (if any) Marque de fabrique (si elle existe)				
Type of Manufacturer's Testing Laboratories used Type de programme de laboratoires d'essais constructeur	☐ Additional information on page 2			
Model / Type Ref. Ref. De type	diamond 40, diamond 50, diamond 60			
Additional information (if necessary may also be reported on page 2) Les informations complémentaires (si nécessaire, peuvent être indiquées sur la 2 ^{ème} page)	IEC 60601-1 (ed.3) am1 IEC 60601-2-48 (Ed.2)			
A sample of the product was tested and found to be in conformity with Un échantillon de ce produit a été essayé et a été considéré conforme à la	193934-AS2-1			
As shown in the Test Report Ref. No. which forms part of this Certificate Comme indiqué dans le Rapport d'essais numéro de référence qui constitue partie de ce Certificat				
This CB Test Certificate is issued by the National Certification Body Ce Certificat d'essai OC est établi par l'Organisme National de Certification				
VDE Prüf- und Zertifizierungsinstitut GmbH VDE Testing and Certification Institute Zertifizierung Produkte / Certification Products				
2014-12-03 Signature:				

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



5

4

Backlit control unit

Backlit control panel for a 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.



6

Hygiene

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.

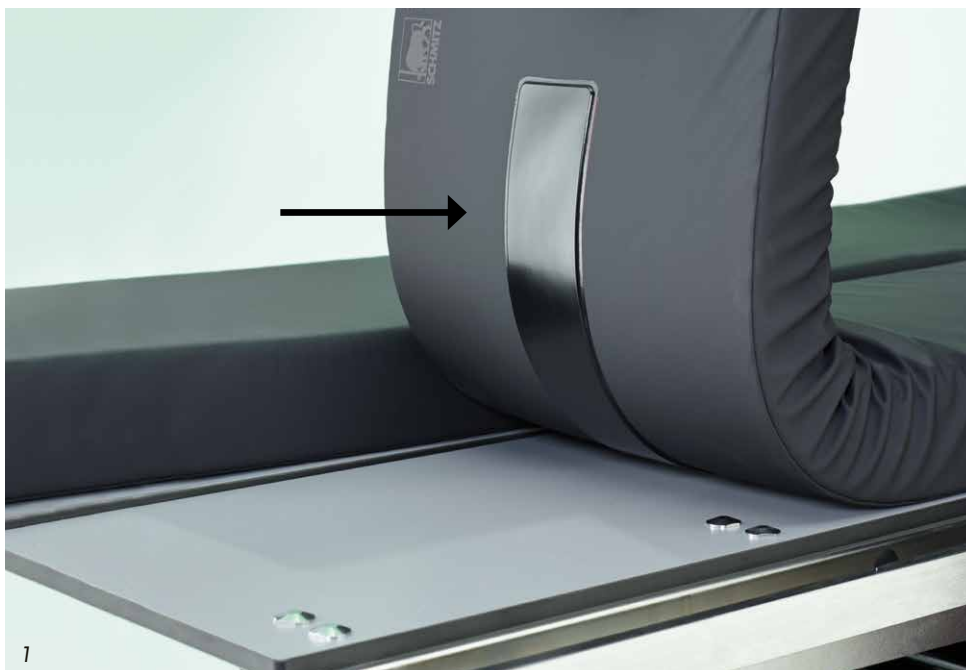
3

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.



Mobility



5



5



5+6

5
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



Gastric Banding



MIS



Positioning of bariatric patients using extension pads no. 101.0194.0



High weight capacity up to 454 kg

Longitudinal adjustment



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.



1



2



3



4



Generous height adjustment range

Optimal access to the surgical field in both standing and sitting surgery. Fatigue-free and ergonomic surgical work.



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.

Positionings





Positionings



Gynaecology



Gynaecology



Urology



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



Neurosurgery/ Spinal surgery



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





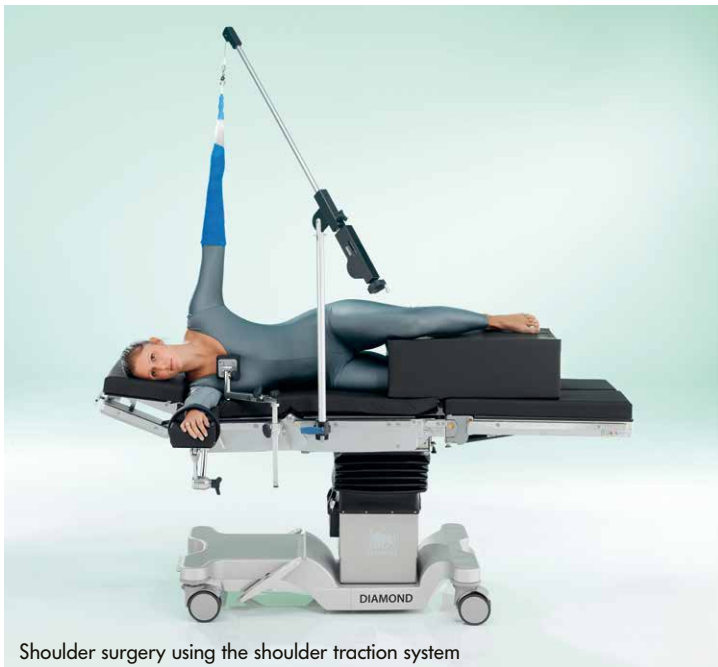
Positionings



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

General surgery

101.0017.1	Head plate
101.0116.1	Leg section
101.0019.0	Arm rest
101.0123.0	Wristlet
101.0177.0	Body restraint strap
101.0012.0	Anaesthetic frame
101.0111.0	Anaesthetic frame extension

Gynaecology

DIAMOND 60 BLK with gyn. cutout	
101.0017.1	Head plate
101.0116.1	Leg section
	w/o gyn. cutout

alternatively:

101.0218.0	Transfer leg plates
------------	---------------------

2x 101.0115.0	Göpel-type leg support
---------------	------------------------

2x 101.0146.0	Clamp
---------------	-------

alternatively:

101.0217.0	Göpel-type leg support
	Cysto-Lift (pair)

101.0019.0	Arm rest
101.0123.0	Wristlet
101.0012.0	Anaesthetic frame
101.0111.0	Anaesthetic frame extension

Urology/TUR

DIAMOND 60 BLK/40 LK
with gyn. cutout

101.0017.1	Head plate
101.0116.1	Leg section

alternatively:

101.0218.0	Transfer leg plates
------------	---------------------

101.0204.0	Gyn. adaptor
101.0593.0	Rinsing basin with outlet
101.0191.0	TUR sieve

2x 101.0115.0	Göpel-type leg
---------------	----------------

2x 101.0146.0	Clamp
---------------	-------

101.0129.0	Elbow rests (pair)
------------	--------------------

alternatively for TUR:

101.0584.0	Gyro flushing basin
101.0588.0	TUR sieve

101.0019.0	Arm rest
101.0123.0	Wristlet
101.0012.0	Anaesthetic frame
101.0111.0	Anaesthetic frame extension

Minimally invasive surgery/ Laparoscopy

DIAMOND 60 BLK with gyn. cutout

101.0017.1	Head plate
101.0116.1	Leg section

alternatively:

101.0218.0	Transfer leg plates
------------	---------------------

optionally:

101.0019.0	Arm rest
101.0123.0	Wristlet

2x 101.0164.0	Leg restraint strap
---------------	---------------------

101.0012.0	Anaesthetic frame
------------	-------------------

101.0111.0	Anaesthetic frame extension
------------	-----------------------------

2x 101.0115.0	Göpel-type leg support
---------------	------------------------

2x 101.0146.0	Clamp
---------------	-------



General surgery



Gynaecology



Urology/TUR



MIS/Laparoscopy



ENT/OMFS



Ophthalmology



Rectum surgery



Kidney surgery/Thoracic surgery

ENT/OMFS

DIAMOND 50 BK or 60 BLK
OR table model w/o gyn. cutout
variant 1

- 101.0017.1 Head plate
- 101.0332.0 Gel head ring
- 101.0116.1 Leg section

variant 2 - Reverse patient position
instead of the leg section
101.0441.0 OMFS plate

alternatively:

- 101.0141.0 Universal adaptor
- 101.0155.0 Horseshoe head rest
- 101.0363.0 Head rest connector

- 101.0116.1 Leg section

additionally, for all variants

- 2x 101.0019.0 Arm rest
- 101.0177.0 Body restraint strap

optionally foot control

Ophthalmology

Reverse patient position
DIAMOND 50 BK or 60 BLK
w/o gyn. cutout
variant 1

- 101.0131.0 Back section extension
- 101.0116.1 Leg section
- 101.0019.0 Arm rest
- 101.0141.0 Universal adaptor
- 101.0256.0 Horseshoe head rest with
one-hand operation

variant 2

- 101.0441.0 OMFS plate
- 2x 101.0019.0 Arm rest

optionally foot control

Rectum surgery

OR table model with gyn. cutout
variant 1 in lithotomy position

- 101.0017.1 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

- 101.0017.1 Head section
- 101.0116.1 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

Kidney surgery/ Thoracic surgery

DIAMOND 50 BK or 60 BLK
with gyn. cutout

- 101.0017.1 Head plate
- 101.0116.1 Leg section
w/o gyn. cutout

alternatively:

- 101.0159.0 Back section extension,
inclined
- 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

Recommended accessories for DIAMOND operating tables

Bariatric surgery

OR table model with gyn. cutout

101.0017.1 Head plate

101.0116.1 Leg section
with gyn. cutout

alternatively:

101.0570.0 Leg section ModuLeg

101.0194.0 Set of extension pads,
500 mm long (set of 2)

101.0200.0 Set of extension pads,
300 mm long (set of 2)

2x 101.0019.0 Arm rest

101.0455.0 Body restraint strap

101.0368.0 Foot plate (pair)

101.0010.0 Shoulder support (pair)

101.0185.0 Leg restraint strap

as an alternative to the variants
using leg sections:

101.0219.0 Göpel-type leg support
heavy-duty (pair)

2x 101.0147.0 Clamp

101.0012.0 Anaesthetic frame

101.0111.0 Anaesthetic frame
extension

Spinal surgery

DIAMOND 60 BLK/ 40 LK

w/o gyn. cutout

101.0017.1 Head plate

101.0116.1 Leg section

101.0131.0 Back section extension,
fixed

alternatively:

101.7151.0 Carbon plate

2x 101.7152.0 Side rail
for carbon plate

optionally:

101.0355.0 Gel large prone
positioner

2x 101.0019.0 Arm rest

101.0012.0 Anaesthetic frame

in knee-elbow position:

101.0150.0 Knee-elbow
positioning device

2x 101.0190.0 Lateral support pad

101.0178.0 Rectoscopy/
buttocks support

2x 101.0146.0 Clamps

Vascular surgery

DIAMOND 60 BLK

w/o gyn. cutout

101.0017.1 Head plate

101.0116.1 Leg section

101.0131.0 Back section extension,
fixed

2x 101.0019.0 Arm rest

as an alternative to 101.0116.1:

101.7151.0 Carbon plate

2x 101.7152.0 Side rail
for carbon plate

Neurosurgery

DIAMOND 50 BK or 60 BLK

w/o gyn. cutout

101.0116.1 Leg section

w/o gyn. cutout

in supine/prone position:

101.0131.0 Back section extension

101.0141.0 Universal adaptor

101.0113.0 Doro Skull Clamp
adaptor

101.0142.0 Doro Universal basic unit

101.0127.0 Doro Skull Clamp

in beach chair position:

101.0210.0 Shoulder plate

101.0014.0 Cross-bar attachment

2x 101.0018.0 Clamp

101.0113.0 Doro Skull Clamp
adaptor

101.0142.0 Doro Universal basic unit

101.0127.0 Doro Skull Clamp

2x 101.0019.0 Arm rest

as an alternative to the shoulder plate:

2x 101.0131.0 Back section extension

alternatively: Accessories for

head positioning in radiolucent material



Bariatric surgery



Spinal surgery



Vascular surgery



Neurosurgery



Lower limb trauma surgery



Upper limb trauma surgery



Knee arthroscopy



Shoulder arthroscopy

Lower limb trauma surgery

- OR table model w/o gyn. cutout
- 101.0017.1 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 Kirschner 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
- 101.0017.1 Head plate
 - 101.0116.1 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
- 101.0017.1 Head plate
 - 101.0171.0 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:

- 101.0244.0 Shoulder surgery plate
- 101.0116.1 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



Model No.

Description

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 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.)



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



Model No.	Description
101.0380.1	Hand control unit, cable-connected plastic casing, sealed against ingress of fluids, cable-connected. Illuminated TFT display indicating all status information of the table. Backlit keyboard for all adjustment functions. For DIAMOND 50/60 models.
101.0590.1	Hand control unit, cable-connected similar to 101.0380.1, but for DIAMOND 40 models, without buttons for movement of electrohydraulic leg section joint. (w/o ill.)
101.0214.1	Hand control unit, Bluetooth plastic casing, sealed against ingress of fluids, wireless Bluetooth connection. Illuminated TFT display indicating all status information of the table. Backlit keyboard for all adjustment functions. Requires Bluetooth preparation 101.0391.1 and charging cradle 101.0356.0, 101.0357.0 or 101.0358.0! For DIAMOND 50/60 models.
101.0591.1	Hand control unit, Bluetooth similar to 101.0214.1, but for DIAMOND 40 models, without buttons for movement of electrohydraulic leg section joint. Requires Bluetooth preparation 101.0391.1 and charging cradle 101.0356.0, 101.0357.0 or 101.0358.0! (w/o ill.)
101.0206.1	Foot control, cable-connected Cast aluminium casing, sealed against ingress of fluids, antiskid, cable-connected. 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). 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.
101.0359.0	Foot control, cable-connected 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.)
101.0397.0	Preparation for cable-connected foot control Preparation of DIAMOND operating table for use of a cable-connected foot control unit. (w/o ill.)
101.0216.1	Foot control, Bluetooth 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). Activation key and "Return to zero" key. Can be connected to the table at the same time as the hand-held control unit. Incl. power supply unit for recharging the control unit. Requires Bluetooth preparation 101.0391.1! For DIAMOND 50/60 models.
101.0360.0	Foot control, Bluetooth for DIAMOND 40 models, similar to 101.0216.1, however without electrohydraulic leg section adjustment function (w/o ill.)
101.0391.1	Bluetooth preparation Preparation of DIAMOND operating table for use of Bluetooth hand and foot control unit. (w/o ill.)

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



Model No.

Description

101.0017.1

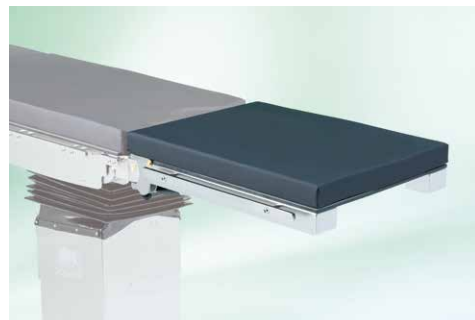
Head plate

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 101.0017.1. (w/o ill.)



101.0145.1

Leg section

one-section type, additional manual folding with gas spring assistance, detachable.

101.0490.0

Double table top

for X-ray cassette insertion, for leg plate 101.0145.1. (w/o ill.)



101.0116.1

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 101.0116.1. (w/o ill.)



101.0131.0

Back section extension, fixed

to be attached to the short back section, length 280 mm.

101.0510.0

Double table top

for X-ray cassette insertion, for back section extension, fixed 101.0131.0. (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.

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.)



Model No.

Description

101.0171.0

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 101.0171.0. (w/o ill.)



Front section foldable down to 155°



Closed construction

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



Safety lever

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



Safety handle

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 60 BLK/40 LK with longitudinal shift	
- with head & leg sections and back section extension, totally	2,260 mm
- with carbon plate (see image on page 14)	1,760 mm
Back section, electrohydraulic	- 40°/+ 70°
- with shoulder surgery plate	- 20°/+ 90°
Electrohydraulic inclination of leg section (DIAMOND 50 BK and 60 BLK)	- 90°/+ 70°
Manual inclination of leg section, gas spring assisted	- 90°/+ 10°
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 equipment

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

Standard configuration:

Two-section, radiolucent table-top composed of:

- Back section
- Seat section with cutout for gynaecology (optionally also without gyn. cutout)

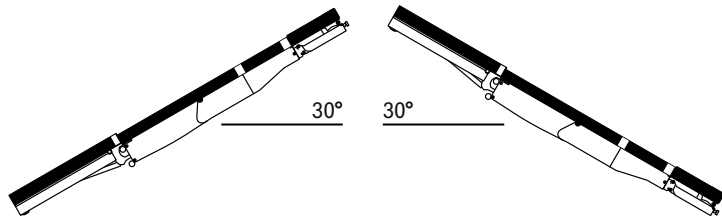
Electrohydraulic adjustment functions:

- 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)

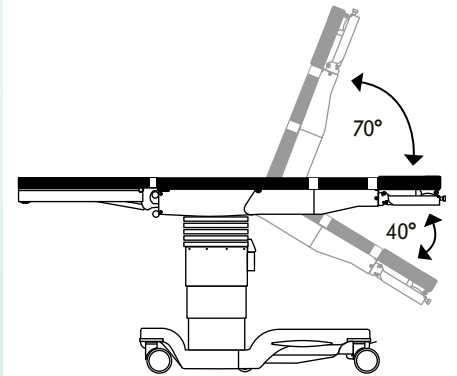
Override systems:

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).

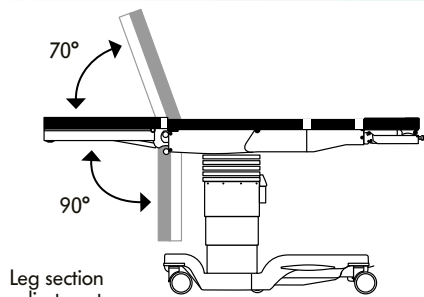
Radiolucent table-top, SAF mattress, 60 mm thick, antistatic. Stainless steel table frame construction, sandblasted and electropolished, disinfection-proof. Stainless steel side rails 25 x 10 mm on both sides of the table-top for attachment of accessories, telescopic height adjustment column with stainless 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.



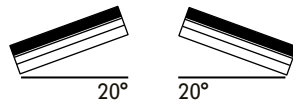
Trendelenburg/ Reverse Trendelenburg



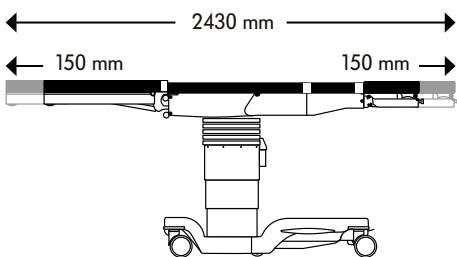
Back section adjustment



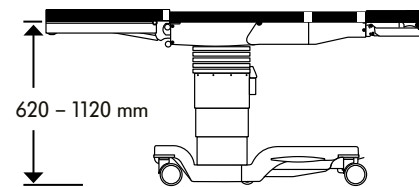
Leg section adjustment



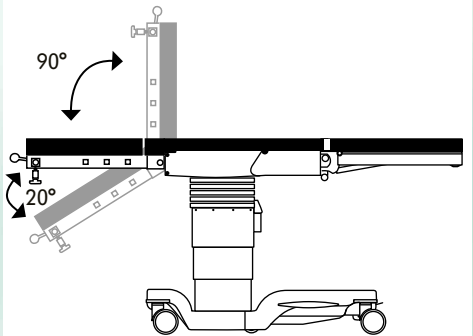
Lateral



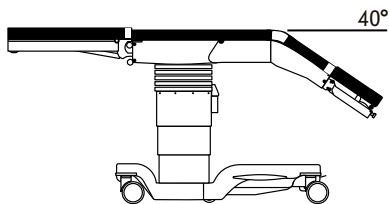
Longitudinal shift and radiolucent area



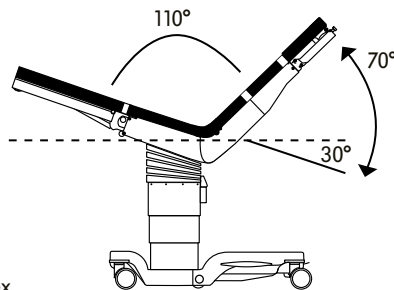
Height adjustment range (e.g. DIAMOND 50 BK)



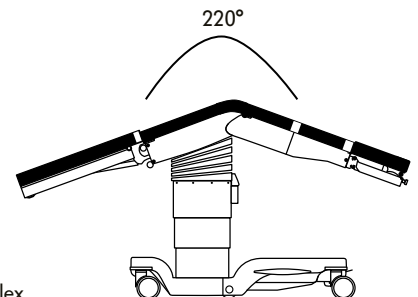
Back section adjustment with shoulder surgery plate



Back section extension, inclinable



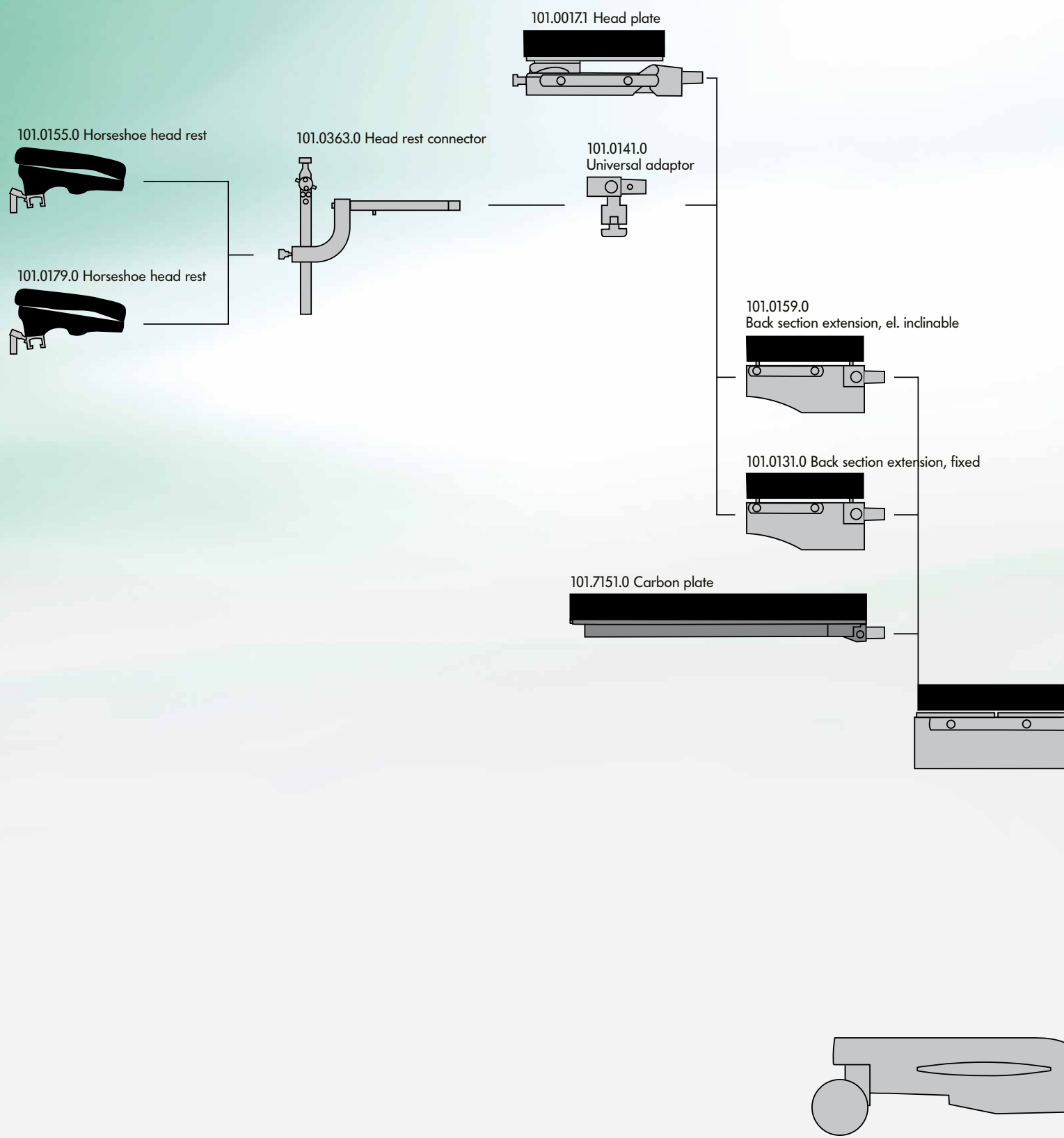
Reflex

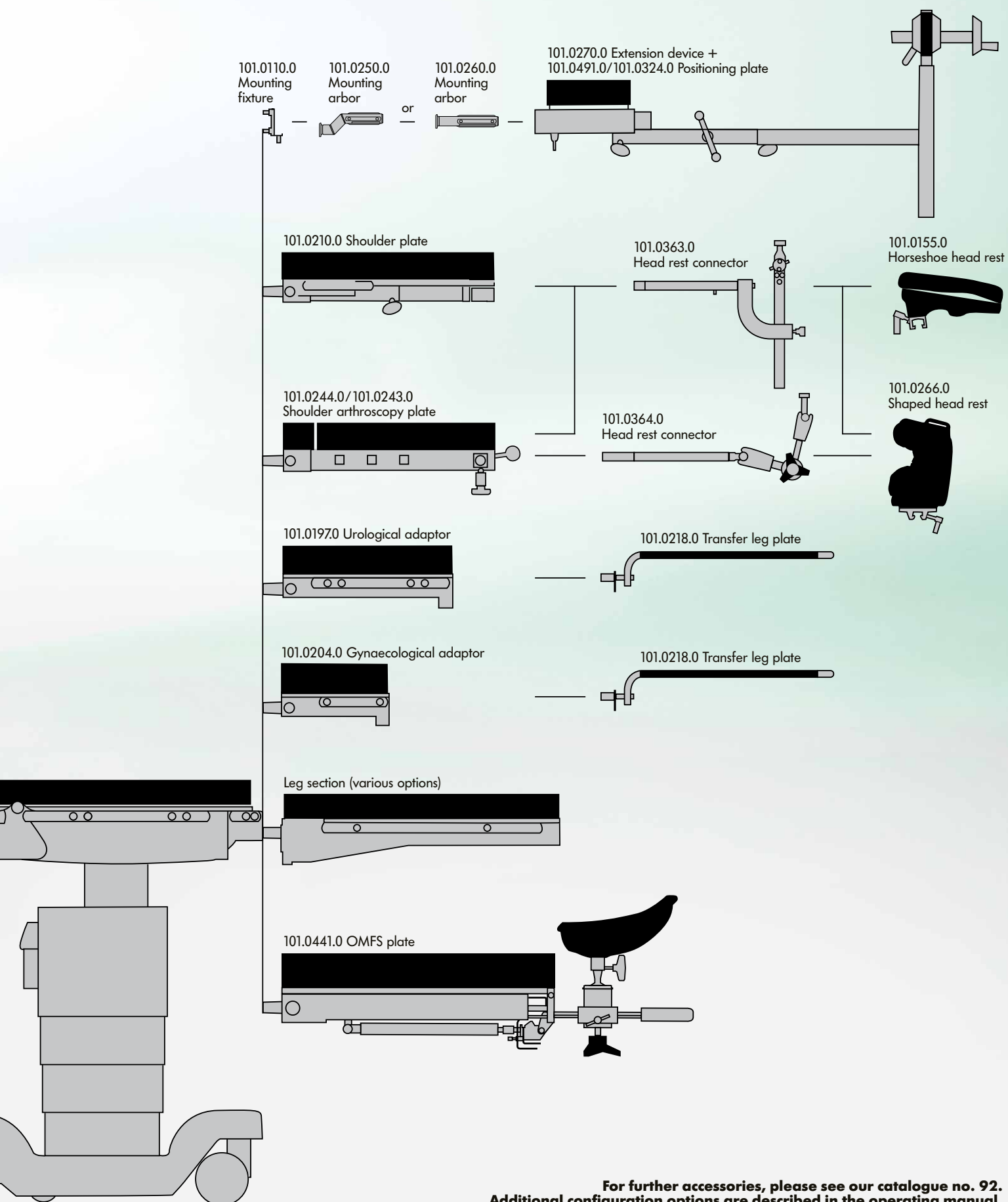


Flex

DIAMOND

Recommended Configuration Options





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



**SCHMITZ u. Söhne
GmbH & Co. KG**

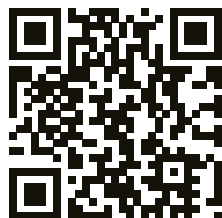
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The products may only be used
for their intended purpose of use.
Please also observe our operating
manual!

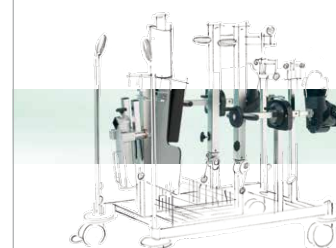


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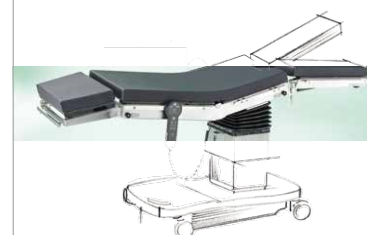


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