



Mobile operating tables

OPERON®

BERCHTOLD



OPERON® Mobile operating tables

Equipped for the future

This exceptional operating table allows you to configure your operating room work flow even more efficiently. OPERON® creates the ideal working environment for you: due to its modular it is adaptable to the patient and the procedures in the operating room. On the one hand, this ensures a smooth interaction between the surgical team and the technical working equipment, on the other it creates optimal conditions for the patient with its gentle positioning and smooth transport.

**BERCHTOLD - your partner in the surgical theatre.
Challenge us!**



OPERON® Mobile operating tables

A table for all occasions

With OPERON® we offer you an operating table that takes the increased demands for more flexibility in its stride and provides an optimal range of applications with its mobility and BERCHTOLD's new modular design.

A class of its own: load capacity

Each base column of the OPERON® is designed for a patient weight of up to 450 kg in all positions.

Extremely durable

Both the tremendous durability and the versatile positioning options address special requirements, such as those of presented by bariatric patients.

Always in sight: intraoperative imaging

We offer an optional tabletop and various accessories made of high-strength, X-ray transparent carbon fibre. Anterior posterior or 360° imaging. Advantages: Excellent imaging with reduced radiation, for the benefit of the patient and your team.

Mobile & smooth: the traction drive

The electro-hydraulic InstaDrive™ ensures easy movement and manoeuvring of the table and is the ideal basis for safe transportation of patients.

Functional: design

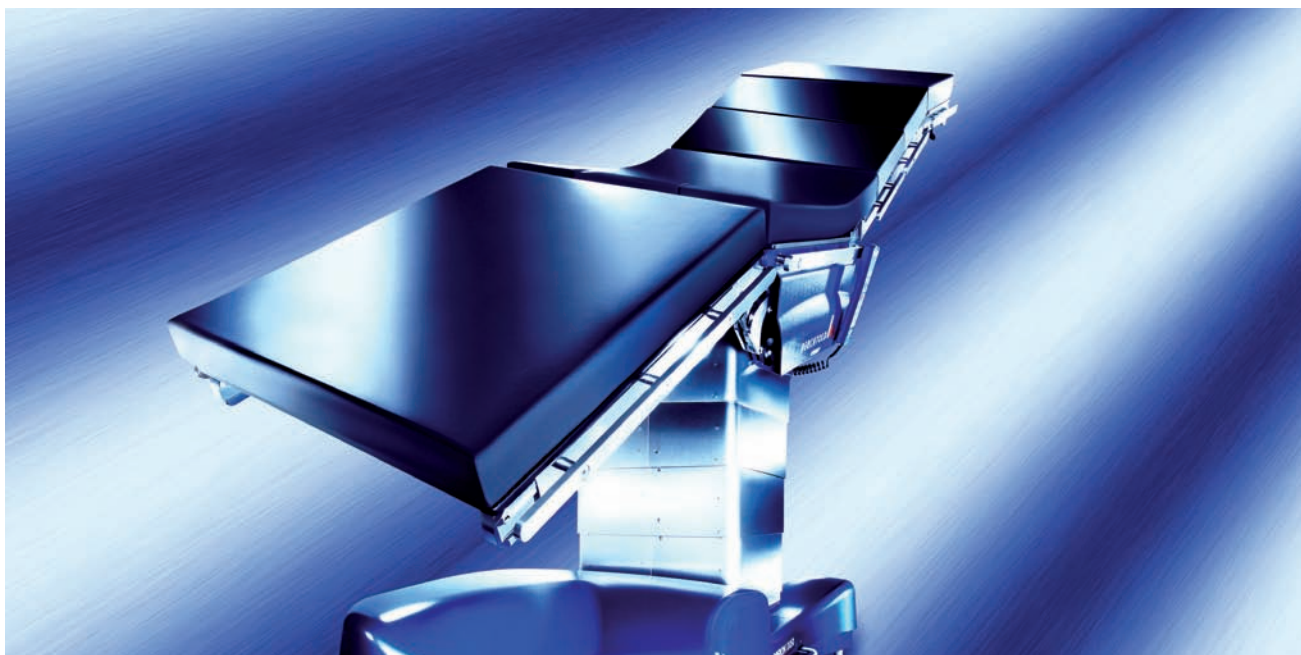
Enormous adjustment ranges for optimal and gentle patient positioning, the functional design ensuring ideal adaptation to the widest variety of surgical disciplines and patient body sizes.

Compatibility through standardisation

This is made possible by the use of our standardised OPERON® coupling points. The modular design lets you exchange various components with other operating tables in the OPERON® range.

Flexible and comprehensive: OPERON® accessories

As with all BERCHTOLD products, OPERON® offers you an extensive range of accessories that allow you to make your work flow more effective.





Base units

The right foundation

We offer the OPERON® with a selection of three base units. Make your choice according to the criteria of height or height adjustment range and tabletop type. You select all other components and accessories to the base model exactly according to your needs.

D 850

This table provides the greatest height-adjustment range of all OPERON® tables, coupled with a longitudinal slide of 423 mm. This combination makes it an all-rounder in your operating theatre and leaves nothing to be desired. With a minimum height of 580 mm and a maximum working height of 1180 mm, the D 850 easily adjusts to any desired level. Hence, it makes no difference whether the surgery needs to be in a standing or seated position, this table easily meets any requirement.

D 820

The D 820 has a height adjustment range of 440 mm (635–1075 mm), it also has a motor-driven longitudinal slide of 423 mm. Intraoperative imaging, precise positioning under the C-arm and maximum flexibility are therefore a matter of course. Use the D 820 in all surgical disciplines as well as for outpatients.

D 760

This table is the economically attractive alternative to the other tables in the D-series. The D 760 has no longitudinal slide, but otherwise offers the same technical features as the D 820. Therefore, all the usual positions for general everyday surgery can be achieved with ease. The table base arrangement provides optimal access for gynaecological procedures without longitudinal displacement.

D 850

Height adjustment:
min 580 - max 1180 mm

Tabletop type:
with longitudinal slide

Safety system:
foot pump + second
hand pendant

WITH LONGITUDINAL SLIDE



Height adjustment
range: 600 mm

D 820

Height adjustment:
min 635 - max 1075 mm

Tabletop type:
with longitudinal slide

Safety system:
foot pump + emergency
hand pendant built in under
the tabletop

WITH LONGITUDINAL SLIDE



D 760

Height adjustment:
min 635 - max 1075 mm

Tabletop type:
without longitudinal slide

Safety system:
foot pump + emergency
hand pendant built in under
the tabletop



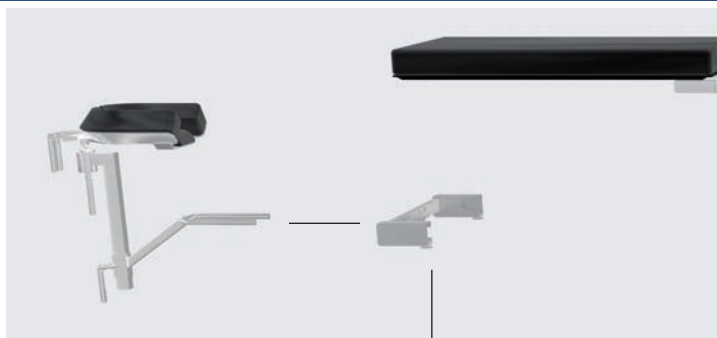
The BERCHTOLD modular design

Accessories

Examples:

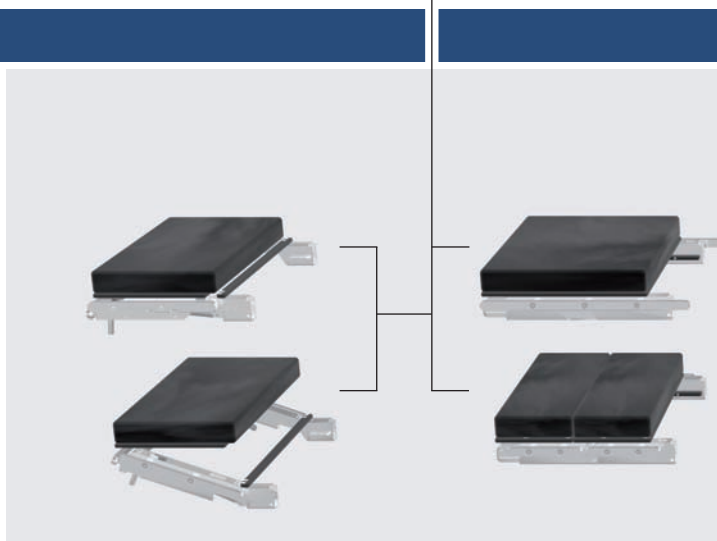
- Shaped head rest
- Neuro adapter
- Imaging extension plate
- Extension unit
- TUR module

You can find all accessories in our accessories catalogue or on the Internet at www.BERCHTOLD.biz.



Tabletop configuration

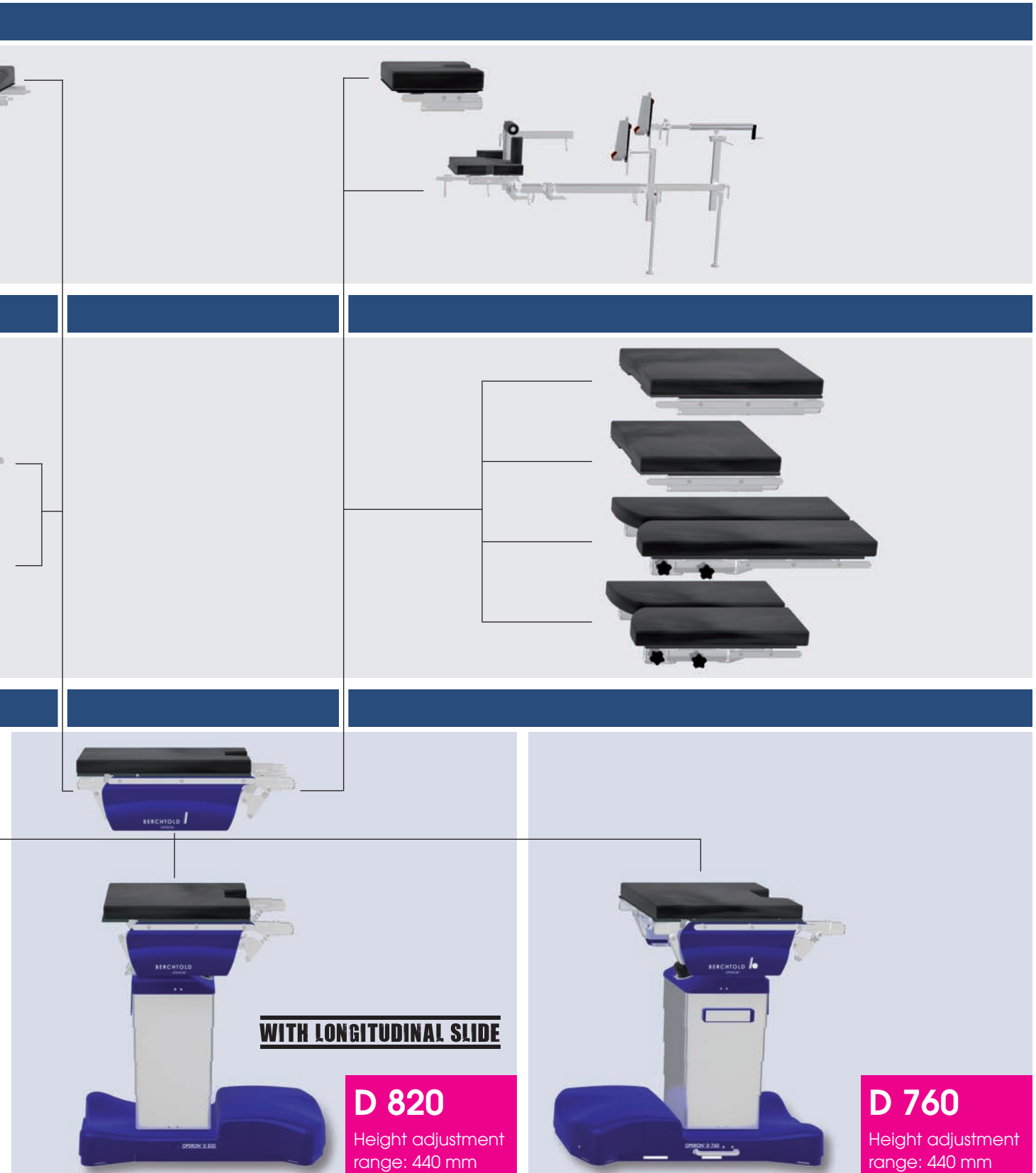
- Head rest, simple
- Head rest, double jointed
- Back plate, one piece
- Back plate, split
- Leg plate, one piece, short/long
- Leg plate, split, short/long



Base table configuration

- Seat plate with/without kidney elevator
- InstaDrive™
- Levelling adjustment
- Hand pendant with/without backlighting
- Positioning surface in phenolic/carbon fibre
- SAF/gel pads





The BERCHTOLD modular design

The route to your individual operating table

Base table configuration



After making the choice of base table you have the following configuration options:

- Seat plate with/without kidney elevator
- InstaDrive™
- Levelling adjustment
- Hand pendant with/without backlighting
- Tabletop in phenolic/carbon fibre
- SAF/gel pads

Tabletop configuration



After configuring the base table, you then choose tabletop together to meet your needs:

- Head rest, simple
- Head rest, double jointed
- Back plate, one piece
- Back plate, split
- Leg plate, one piece, short/long
- Leg plate, split, short/long

Accessories



Finally, complete your table by a selection from the versatile BERCHTOLD accessory range:

- standard accessories for general positioning, and
- specialist accessories for complex surgical procedures

All components are OPERON® compatible and freely interchangeable among the base models. They can be retrofitted at any time.

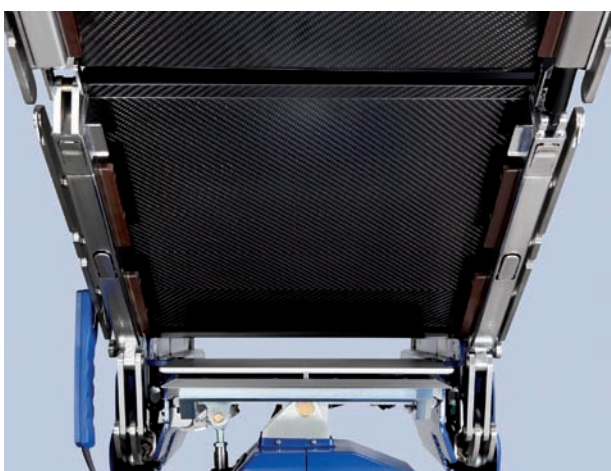




State-of-the-art functionality



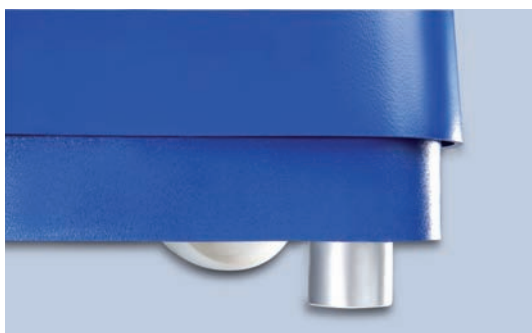
Optimal imaging conditions



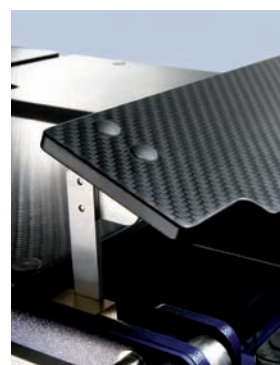
Continuous X-ray cassette channel



Easily removable modules



Levelling adjustment provides a firm footing even on irregular floors



Continuously adjustable



Table-base design provides extra leg room for the surgeon



Manual operation of all basic functions by using a foot pump combined with an emergency hand pendant



Adjustable kidney elevator



Collision protection of all electro-hydraulically driven positioning surfaces



Double-jointed head rest

Handle extreme loads with ease

Easy on the patient and the surgical team

450 kg load capacity without restrictions

OPERON® tables provide safety for bariatric patient handling. All three base units have a load capacity of up to 450 kg. All components of the mobile operating table are specially designed for extreme loads. Electro-hydraulic drives provide smooth and safe movement with no limit. In the "normal" patient orientation we give you the full range of movement, without restrictions, up to a patient weight of 450 kg.

InstaDrive™ - Mobility in perfection

Using the option of the integrated InstaDrive™, moving and manoeuvring the operating table is achieved with ease. The drive system of the OPERON® allows just one person to drive the OPERON® – it has been designed to be able to carry patients up to 450 kg. Whether for longer straight stretches, for shunting the operating table back and forth in a confined space, or even used as a "jump start" for manual driving, the drive system guarantees especially easy handling.



Durable and intuitive

The controls

The ergonomically designed hand pendant allows quick and precise setting of your operating table. With direct access you can call up presets such as „Flex“, „Level“ (Zero point position) and „Chair“. The hand pendant has optional backlighting that makes it easy to control the operating table in a darkened room, during minimally invasive surgery. Foot control is optional. There is a second emergency hand pendant available. In connection with a foot pump, with which the table can be adjusted manually.

The following functions are adjustable via the hand pendant:

- Height
- Longitudinal slide
- Trendelenburg/reverse Trendelenburg
- Tilt
- Back plate
- Leg plate
- Split leg plate
- Kidney elevator
- Flex, Chair, Level

The following are manually adjustable:

- Head rest
- Split leg plates spread using the double joint for abduction and split



Maximum security ...

... for your patients

Safety system

To provide maximum safety and control over patient and operating table.

- Full manual backup as standard
- Manual operation of all basic electro-hydraulic functions by using a foot pump combined with an emergency hand pendant
- High mobility and ideal surgical work flows whether pre-, intra- or postoperatively

Collision protection

An integrated, software-controlled collision detection system prevents damage to the operating table and equipment. Intelligent part recognition

- is able to identify the various table sections in the tabletop
- automatically prevents tabletop collisions

Operating table pads

Table pads are the contact point between the patient and operating table and have to meet diverse requirements in clinical practice.

- A special layer structure of viscoelastic foam adapts to the patient under the effect of patient weight and body heat
- For a large supporting area and excellent pressure distribution
- Making it ideally suited for active decubitus prophylaxis
- Ultrasonically welded seams prevent the ingress of fluids
- Optional gel pads are available



Positioning examples



General surgery



Gynaecology/urology



Neurosurgery



Positioning examples



Ophthalmology and ENT



Orthopaedics



Orthopaedics





Extensions



Extensions



Bariatric surgery

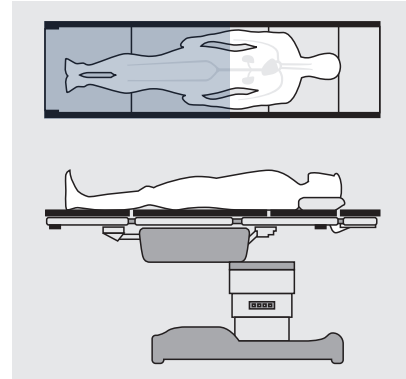


Radiology

Intraoperative imaging

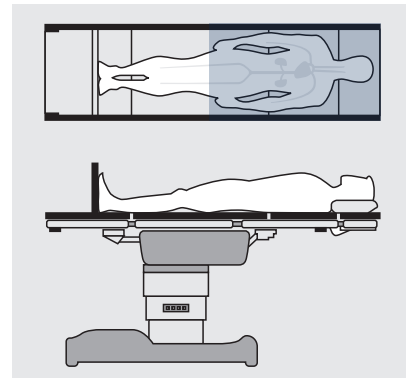
Imaging of lower extremities

1118 mm imaging window with maximum longitudinal slide towards the feet



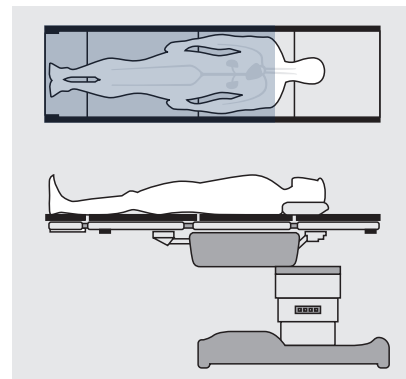
Imaging of upper extremities and upper body

1016 mm imaging window with longitudinal slide towards the head



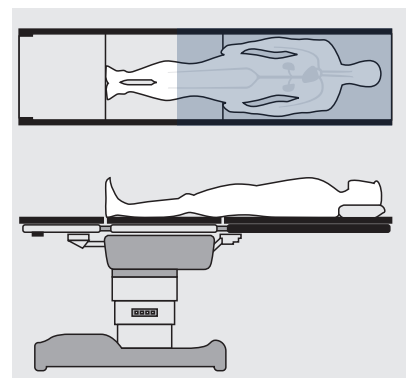
Extended imaging of lower extremities

1422 mm imaging window with longitudinal slide, head rest attached to foot rest



Extended upper-body imaging

1193 mm imaging window with longitudinal slide towards the head and X-ray imaging extension plate



Note: Intraoperative imaging illustrated for the example of the OPERON® D 820

Technical data

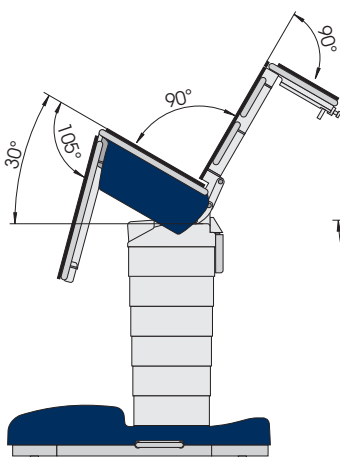
Technical data	D 850	D 820	D 760
Max. patient weight	450 kg for normal orientation 225 kg for reverse orientation		
Height adjustment (without pad)	580–1180 mm	635–1075 mm	
Longitudinal slide	423 mm ¹ , 323 mm ²		-
Trendelenburg/reverse Trendelenburg	30°/30°		
Tilt left/right	+20°/-20°		
Back plate up/down	+90°/-45°		
Leg plate up/down	+30°/-105°		
Split leg plates up/down	+30°/-90°		
Head rest up/down	+45°/-90°		
Kidney elevator (optional)	Lift to 75 mm		
„Flex“ (Auto position)	225°		
„Chair“ (Auto position)	Back 90°, Trendelenburg 30°, Leg plate 105°		
Table length ³	2124 mm		
Tabletop width (inc. side rails)	534 mm (587 mm)		
Image width	465 mm		
Manual backup system	integrated		
Collision protection with all powered tabletop functions	integrated		
X-ray cassette channel	continuous		
Serial interface ⁴	integrated		

¹ with kidney elevator

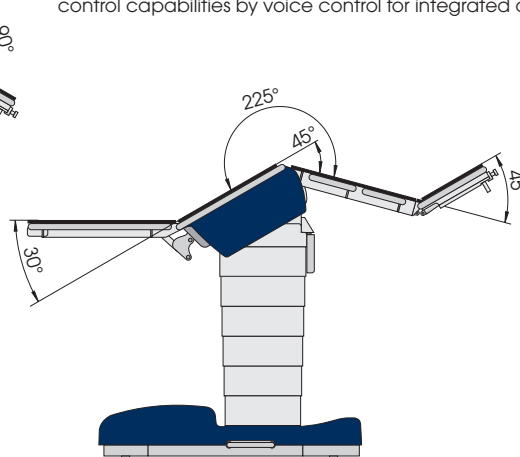
³ depends on configuration

² without kidney elevator

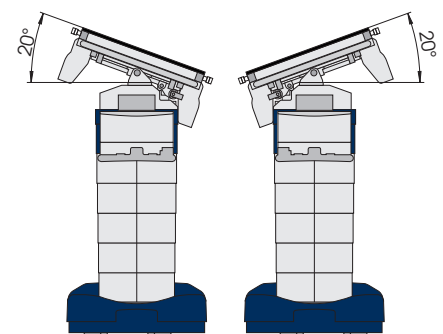
⁴ Serial interface allows communication options such as computer-based service support and external control capabilities by voice control for integrated operating rooms.



Chair



Flex



Tilt

Note: Drawings are based on the example of the OPERON® D 850.

Competence in service

We offer assistance during the entire life cycle of the product

Our technical support service covers the entire product life cycle to ensure high productivity and optimal availability of your BERCHTOLD products. Our qualified staff will offer support from the planning and design phase to the installation and commissioning of your BERCHTOLD products, and even beyond.

Planning & Design

We plan and design your individual operating room equipment:

- Workflow analysis including detailed space assessment
- Room drawings in 2D
- Visualization in 3D

SUPERSUITE®

All-round customized OR solutions

- We provide all our partners with the necessary infrastructure
- We create the basis for the successful work of our partners
- We accompany the entire project

Installation & Commissioning

- On-site commissioning
- Training your staff on how to operate the new equipment

After sales support

- Short response times
- Qualified support abroad using trained personnel in subsidiaries and representative offices
- Spare parts service
- Service hotline:
+49 7461 181-217

Training

- Training & on-site training



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For 90 years, BERCHTOLD has been a specialist in equipping operating rooms. We offer best-in-class products, global experience in planning and project management, and individual service.

Our products and services include:

- CHROMOPHARE® surgical and examination lights
- ChromoVision® video and camera systems
- ChromoView™ monitor arms
- OPERON® OR tables and accessories
- ORICS® telemedicine
- SUPERSUITE® all-round, customised OR solutions
- TELETOM® ceiling supply units
- 3D-OR™ design software
- Development, consulting, project management
- Service and installation by the best-trained specialists

We look forward to hearing from you and helping you plan, design and install your next surgical environment.



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