OPERATING THEATRE

**EST-XD2E**

Universal Electric Operating Table

Cod. EST-XD2E
Standard surgical table

Cod. EST-XD2EZ
Standard table with Zero function

Cod. EST-XD2ESZ
Standard table with Zero function and adjust. height 700~1100mm

**Good Performance**

**Standard**
Our standard pad is made from soft padded stable polyurethane foam with a thickness of 50 mm. Single piece, no seams, washable and antistatic.
Cod. EST-120001

**Optional**
In order to prevent decubitus, a further memory pad version is available to the user:
Memoline: visco-elastic foam, antistatic, it adapts to the patient’s body contours particularly well and reduces the pressure at the various pressure points.
Cod. EST-120002

Full table radiolucent plate for X-ray and C-arm purpose
Kidney bridge up
Display
Backlit display indicating status information, e.g. currently chosen position, and status of battery charging, it also ensures a safe and easy handling even in the dark operation room.

Additional control at the bottom with backlit.

Optional footswitch (3 commands)
- Up and down
- Lateral tilt
- Trendelenburg and anti-Trendelenburg
Cod. EST-FPS-3

X-ray cassette tunnel
for all the table length, head excluded

Stainless steel inlay plates

Diam 125mm castors with locking, universal castors

Diam 125mm castors, directional castors
Positions

1 - Gynaecology

2 - Gynaecology/Delivery

3 - Endoscope Application

4 - Endoscope Application

5 - Neurosurgery

6 - Neurosurgery in beach chair position

7 - Neurosurgery

8 - ENT/Neurosurgery

9 - General Surgery

10 - Spinal Surgery
Positions

11 - Kidney position

12 - General position (table top movement for C-arm)

13 - Urology/TUR

14 - Gynaecology/Delivery

15 - Rectal Surgery

16 - Knee Arthroscopy

17 - Hand surgery

18 - Upper Limb Trauma

19 - Fractures of the neck of femur

20 - Tibial Shaft Fracture
Optional General Accessories

1) Cod. EST-100001
   Head Plate
   (one included as standard). Detachable, integrated gas spring for weight compensation, adjustable angle for patient comfort.

2) Cod. EST-100002
   Gynaecology delivery table/Leg section
   Detachable, for gynaecology surgery, delivery, to give a support to doctors during dystocia. One section type.

3) Cod. EST-100003
   Leg Section
   (one included as standard). Detachable, split type, foldable up-down by electromotor.
Optional General Accessories

1) Cod. EST-100100  
**Arm rest**  
Integral poly pad, antistatic, 450mm long with attached clamp, horizontal and vertical adjustment, tiltable by socket joint.  
(a pair of armrests are included as standard)

+  
Cod. EST-100101  
**Arm/Leg belts**  
A pair of velcro strap belts as optional

2) Cod. EST-100102  
**Wristlet**  
With clamp, washable and exchangeable, textile velcro belt

3) Cod. EST-100103  
**Infusion pole**  
Upper section with 4 hooks, attachment clamp with socket joint

4) Cod. EST-100104  
**Body restraint belt**  
Washable velcro body belt

5) Cod. EST-100105  
**Leg restraint belt**  
Washable velcro belt for leg fixation, suitable for leg section

6) Cod. EST-100106  
**Wristlet**  
For attachment to anaesthesia frame EST-100107. Washable and exchangeable textile velcro belt with attachment

7) Cod. EST-100107  
**Anaesthesia frame**  
With twist protection, adjustable height, lateral adjustment to make the frame to one side, with fixing clamps

8) Cod. EST-100108  
**Anaesthesia frame**  
With twist protection, adjustable height, with two fixing clamps
Optional General Accessories

9) Cod. EST-100109
Fixing clamp
For codes:
EST-100108 Anesthesia frame
EST-100113.S/113.L Lateral support
EST-100116 Foot/knee rest
EST-100118 Arm protector

10) Cod. EST-100110
Fixing clamp
Round hole, Ø14mm,
no-lateral angle adjustment.
For codes:
EST-100100 Armrest
EST-100103 Infusion pole
EST-100106 Wristlet
EST-100107 Anesthesia frame
EST-100119 Instrument tray
EST-100121 Instrument tray
EST-100122 Tube holder
EST-100130 Arm/hand board
EST-100131 Arm/hand board
EST-100161 Cross bar attach.

11) Cod. EST-100111
Fixing clamp
Round hole, Ø14mm,
lateral angle adjustment.
For codes:
EST-100117 Leg holder
EST-100136 Knee pos. Device
EST-100137 Rectal support
EST-100164 Elbow holder
EST-100181 Leg support
EST-100182 Leg support

12) Cod. EST-100112
Fixing clamp
Hexagon hole, lateral angle adjust.,
prevent the insertion pole rotation,
For code:
EST-100132 Countertraction post

13.S) Cod. EST-100113.S
Shoulder support
Poly antistatic pad, width, lateral,
angle and height are adjustable.
Multifunctional pad 190x60mm

13.L) Cod. EST-100113.L
Lateral support
Poly antistatic pad, width, lateral,
angle and height are adjustable.
Multifunctional pad 190x60mm

13.1) Cod. EST-100113.1
Multifunction support
Width, lateral, angle and height are adjustable.

13.2) Cod. EST-100113.2
Pubis/sacrum/ sternum support
(Figure 2) 85x85 mm
Covered foam pad, antistatic +
Cod. EST-100113.3
Pubis/sacrum/ sternum support
(Figure 3) 200x120 mm
Covered foam pad, antistatic

13.3) Cod. EST-100260
Stainless steel lateral support
Optional General Accessories

14) Cod. EST-100114
**Accessories rack**
Stainless steel square-section tubular frame with rails for attachment of accessories and 1 basket, antistatic castors with lock

15) Cod. EST-100115
**Leg restraint straps**
1 pair, with pads, for split leg section, incl. clamps to attach to side rails

16) Cod. EST-100116
**Foot/knee rests**
(1 included as standard) Attached on the sides by fixing clamps, can be folded down to serve as the table-top extension, 300x215 mm (WxD)

17) Cod. EST-100117
**Leg holder (lithotomy)**
1 pair, with removable loops made of washable textile straps. Height & lateral adjustment. It requires fixing clamp EST-100111

18) Cod. EST-100118
**Arm protector**
It requires fixing clamp EST-100109

19) Cod. EST-100119
**Instrument tray**
Adjustable height, it requires fixing clamp EST-100110
Tray size: 400x300 mm
Max Load: 6 kg

20) Cod. EST-100120
**Instrument tray**
Mounted on the hooks of the table (without leg section)
Tray size: 450x330 mm
Max Load: 6 kg

21) Cod. EST-100121
**Instrument tray**
Height and lateral adjustment, it requires fixing clamp EST-100110
Tray size: 450x330 mm
Max Load: 6 kg

22) Cod. EST-100122
**Tube holder**
(no pictures), for secure positioning of monitor cables
Accessories for orthopaedics, traumatology, spinal surgery and orthopaedic extension

1) Cod. EST-100130
Arm/hand operating board
Radiolucent board with covered antistatic foam pad, with double-layer design suitable to X-ray. X-ray cassette holder can be placed underneath. 700x300 mm (WxD)

2) Cod. EST-100131
Arm/hand operating board
Radiolucent board with covered antistatic foam pad, ergonomic shape for optimal access to the surgical field, suitable to C-arm 600x440 (WxD)

3) Cod. EST-100132
Countertraction post for upper arm
Poly pad, max. load: 12kg, requires attachment clamp EST-101112

4) Cod. EST-100133
Humerus traction device
+ Cod. EST-100134
Weiberger traction device
For hand and finger positioning and traction, hand plate and finger holder of plastic material, to be attached to upper arm positioning device suitable for C-arm, max. load 30kg

5) Cod. EST-100135
Cushion
For intervertebral disc operations, also as protection for the chest, reducing pressure, keeping good respiratory and circulatory functions in the cervical and lumbar spinal surgery. 630x460x130 (WxDxH)

6) Cod. EST-100136
Knee positioning device
Manual adjustment, with gel pad and fastening strap. Side rail attachment (requires attachment clamp EST-100111) Max. load 25kg

7) Cod. EST-100137
Rectal (abdomen) positioning support
Combined with EST-100116 for spinal surgery, rectal surgery, covered with antistatic poly pad, with height and lateral adjustment
+ Cod. EST-100116
Foot/knee rests
(1 included as standard) Attached on the sides by fixing clamps, can be folded down to serve as the table-top extension, 300x215 mm (WxD)
Accessories for orthopaedics, traumatology, spinal surgery and orthopaedic extension

8) Cod. EST-100138
Axilla support
Padded, radiolucent with countertraction post, including clamps.

9) Cod. EST-100139
Elbow support
Swivelling via eccentric lever joint, including clamps. Recommended to use with EST-100133 & EST-100134 humerus traction and Weiberger traction device.

10) Cod. EST-100140
Shoulder surgery device
Self-operated type by use power of surgical table itself, placed instead of legsection, it is only compatible to the EST-XD2E. It includes also a head support (EST-100141) and an actuator (EST-100142)

Cod. EST-100141
Head support
For the shoulder surgery device.

Cod. EST-100142
Actuator
For the shoulder surgery device.
**Extension device**

1) **Cod. EST-100150**
   *Sacro post extension device*
   For treatment of all kinds of lower limb fractures.
   Main features:
   - Fast, simple and secure attaching to the operating table.
   - Modular structure for an optimal range of application

2) **Cod. EST-100151**
   *Positioning board*
   For extension device positioning

3) **Cod. EST-100152**
   *Sacro post (countertraction post for femur)*
   For surgery with the patient in lateral position

4) **Cod. EST-100153**
   *Tibia/fibula countertraction post*
   Countertraction post for tibia and fibula with radiolucent padded roll, height and inclinable adjustment for attachment to extension device EST-100150

5) **Cod. EST-100154**
   *Pelvis cast*
   The carbon-fiber countertraction post can be laterally moved

- Unobstructed access to the lower limbs for C-arm image intensifier and complete transillumination of the two axes, no any blind area for C-arm application
- Well-devised accessories for comfortable and precise positioning of the patient
- Including trolley, two supporting bars and EST-100151, EST-100152, EST-100154 and EST-100155 (2 pieces)
6) Cod. EST-100155  
**Adult Foot rest**  
Extension part, shoe holder with adult shoe (1 pc).  
Optional shoe for children cod. EST-100155C (1 pc)

7) Cod. EST-100156  
**Pelvis support**  
Pelvis plaster adapter with pelvis support, with removable pelvis rest, adult as standard.  
Optional for children cod. EST-100156C

8) Cod. EST-100157  
**Fixing clamp**  
Only for EST-100158 and EST-100182 leg rests for EST-100150 extension device

8) Cod. EST-100158  
**Lower leg rests**  
Optional pair of velcro strap belts EST-100101

8) Cod. EST-100182  
**Upper leg rests**  
(a pair included as standard)  
Optional pair of velcro strap belts EST-100101

9) Cod. EST-100159  
**Extension device**  
For treatment for legs traction, reset and legs operation.  
Not suitable for C-arm.
1) Cod. EST-100160  
**Head rest**  
1-section, pad head rest, optimal pressure distribution in prone and supine position. Max. load 15 kg

2) Cod. EST-100161  
**Cross bar attachment**  
Stainless steel, for seated positioning in neurosurgery, adjustment for different table widths. It requires two clamps EST-101110

3) Cod. EST-100162  
**Head skull clamp**  
For a secure and stable 3-point fixation of patient’s head in supine, prone, lateral or sitting position. With 3 pins for adults.

4) Cod. EST-100163  
**Brain retractor system**  
Unobstructed access to the surgical field. An open ring is crucial for the skull base applications. Recommended for posterior fossa. Mini J-arm allows vertical and horizontal movements

5) Cod. EST-100164  
**Elbow holders**  
1 pair. For ENT and plastic surgery. Height and lateral adjustable, it requires fixing clamp EST-100111 and EST-100160 head rest.
Accessories for gynaecology and urology

1) **Cod. EST-100180**
   - **Leg Support**
     - 1 Pair. Adjustable height and swivelling from the foot end, servo-assisted, plastic support with gel pad for foot and lower leg, adjustable to all directions. Special attachment clamps already included.

2) **Cod. EST-100181**
   - **Feet Support**
     - 1 Pair. Specially designed for gynaecology use during the inspection, operation and delivery. It requires attachment clamp EST-100111

3) **Cod. EST-100182**
   - **Leg Support**
     - (1 Pair included as standard). 1 Pair. Integral poly pad, antistatic, stainless steel. It requires attachment clamp EST-100111. Optional pair of velcro strap belts EST-100101

4) **Cod. EST-100183**
   - **Handle**
     - 1 Pair. For women grasping during inspection and delivery.

5) **Cod. EST-100002**
   - **Gyn aiding table/leg section**
     - Detachable, for gynaecology surgery, delivery, giving support to doctors during dystocia. One section type.

6) **Cod. EST-100185.1**
   - **Liquid collection basin without drain**
     - Made of stainless steel. Attachment to table column, Basin size 330x265x150 mm (WxDxH)

   **Cod. EST-100185.2**
   - **Liquid collection basin with drain**
     - Made of stainless steel, with drainage tube. Attachment to table column, with outlet and plastic tube. Basin size 330x265x150 mm (WxDxH)

   **Cod. EST-100185.B**
   - **Waste bucket 20L**
     - Made of stainless steel

   **Cod. EST-100185.T**
   - **Mobile waste bucket 20L**
     - Made of stainless steel, on casters
Positioning aids

1) Cod. EST-101001
Adult gel head rest for prone position
Adult size, anatomically designed to maintain the patient’s head in a comfortable face down position. Output for ET tubes on both sides. Size 280x240x140mm (WxDxH)

Cod. EST-101002
Pediatric gel head rest for prone position
Pediatric size, anatomically designed to maintain the patient’s head in a comfortable face down position. Output for ET tubes on both sides. Size 250x200x100mm (WxDxH)

2) Cod. EST-101003
Adult gel head ring for supine position
Adult size, closed type, it protects head and ears during surgery in supine position. Size 200x50mm

Cod. EST-101004
Pediatric gel head ring for supine position
Pediatric size, closed type, it protects head and ears during surgery in supine position. Size 140x30mm

3) Cod. EST-101005
Adult gel head open ring for lateral position
Adult size, open type, it provides stability and protection to the patient’s face during surgery in lateral position. Size 200x55mm

Cod. EST-101006
Pediatric gel head open ring for lateral position
Adult size, open type, it provides stability and protection to the patient’s face during surgery in lateral position. Size 140x35mm

4) Cod. EST-101007
Gel pad for lateral positioning
For safe lateral position, to relieve pressure on the shoulder joint and protect the nerve tracts, for surgical interventions on the hip, on the shoulder or on the kidney. Size 700x500x160mm (WxDxH)

5) Cod. EST-101008
Thyroid gland positioning pad
Designed to protect and support neck in the thyroid and neck surgery, the pad aids to fully extend operation vision field for surgeons. Size 480x390x90mm (WxDxH)

6) Cod. EST-101009
Gel heel pads
1 Pair. To support the Achilles area and relieve the pressure on the patients heels during lengthy surgical procedures. Size 180x100x70 mm (WxDxH)
7) Cod. EST-101110
Full body pad
Full body pad set to relieve patient pressure during the operation

8) Cod. EST-101111
Tunnel cushion
For lateral patient positioning, to prevent the risk of positioning damage to the patient’s legs. Antistatic, covered pad with special foam core of 70mm thickness. Size 650x400x220mm (WxDxH)

9) Cod. EST-101112
Double wedge pad
For suspine patient positioning, designed to prevent brachial plexus paralysis and to stabilize the head. Size 440x500x100 mm (WxDxH)

10) Cod. EST-101113
Cushion
Antistatic covered poly pad. Size 130x504x504mm (WxDxH)

11) Cod. EST-101114
Intervertebral disk pad
Radiotransparent for intervertebral disk operations. Special foam with cover. Abdominal opening 270x240mm. Size 640x420x100mm (WxDxH)

12) Cod. EST-101115
Intervertebral disk pad
For intervertebral disk operations. To put the patient in prone position.
Basic features
Basic features
## Technical Features

### Operating table Versions

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EST-XTD2E</td>
<td>Surgical table standard</td>
</tr>
<tr>
<td>EST-XTD2EZ</td>
<td>Surgical table with zero function</td>
</tr>
<tr>
<td>EST-XTD2ESZ</td>
<td>Surgical table with Zero function and adjustable height 700-1100 mm</td>
</tr>
</tbody>
</table>

### Features

- **Total length**: 2220 mm (with footplate)
- **Total width**: 600 mm
- **Net width**: 555 mm
- **Head section length**: 300 mm
- **Back section length**: 380 mm
- **Main section length**: 1080 mm
- **Leg section length**: 580 mm
- **Supporting bottom**: 910 x 625 x 140 mm
- **Height adjustment range**: 700 ~ 1000 mm
- **Kidney support up**: 120 mm
- **Movement backward to forward**: 350 mm (to head section and to foot section)
- **Back section up**: 70°
- **Back section down**: 22°
- **Trendelenburg**: +30°
- **Anti-Trendelenburg**: -30°
- **Lateral tilt**: 25°
- **Leg section inclination**: +15° ~ -90°
- **Spread angle of leg plates**: 200°
- **Head section inclination**: +45° ~ -90°
- **Net weight**: 280 Kg
- **Lying patient max load**: 300 Kg
- **Max. load**: 320 Kg
- **Integrated back-up battery**: Yes, for over 150 movements
- **Power Supply**: 220V, 50Hz (optional: 110V, 60Hz)

### Optional and spare parts

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>1 x</td>
<td>ES-TUN X-ray cassette tunnel</td>
</tr>
<tr>
<td>1 x</td>
<td>EST-120001 Standard PU pad mattress, 1 set</td>
</tr>
<tr>
<td>1 x</td>
<td>EST-120002 Memo line pad mattress, 1 set, 85mm thickness</td>
</tr>
<tr>
<td>1 x</td>
<td>300mm distance actuator</td>
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<tr>
<td>1 x</td>
<td>Tilt actuators</td>
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<tr>
<td>1 x</td>
<td>Trevendelenburg actuator</td>
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<tr>
<td>1 x</td>
<td>Back-forward movement actuator</td>
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<tr>
<td>2 x</td>
<td>Backsection actuator</td>
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<tr>
<td>2 x</td>
<td>Leg actuator</td>
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<tr>
<td>4 x</td>
<td>Castors</td>
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<tr>
<td>1 x</td>
<td>Control box</td>
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<tr>
<td>1 x</td>
<td>Hand control</td>
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<tr>
<td>1 x</td>
<td>Additional control</td>
</tr>
<tr>
<td>2 x</td>
<td>Backup battery</td>
</tr>
</tbody>
</table>

### Optional Accessories

- Please, look at the optional accessories section on above pages from 6 to 17.

### Standard Accessories

- **EST-120001**: Standard mattress
- **EST-XBATT**: Integrated battery
- **EST-100001**: Head section
- **EST-100003**: Leg section
- **EST-100100**: Arm rest, 1 pair
- **EST-100182**: Leg support, 1 pair
- **EST-100116**: Feet support, 1 pair
- **EST-100109**: 4 x Fixing clamp
- **EST-100110**: 2 x Fixing clamp
- **EST-100111**: 2 x Fixing clamp