Custom Seating
Custom seating solutions
Otto Bock HealthCare

Otto Bock HealthCare develops its innovative products in close cooperation with physicians, therapists, and technicians in its own Sinsheim development centre. During this process, the focus is always on people and their individual needs and requirements. Every product reflects these high standards through variety, safety, and a practical and colourful design.

Otto Bock HealthCare: Quality for Life!

Declaration of Conformity

The products listed in this catalogue conform with the requirements of guideline 93/42EEC and the MPG (Medical Products Law). They do not bear the CE symbol, when they are custom products or intended for use as part of custom products and are therefore exempt from the identification requirements.

Safety data sheets

Please observe the information found on Otto Bock product packaging. Safety data sheets are available for materials that require labels according to the Ordinance on Hazardous Substance. These EU safety data sheets (SBD) or Material Safety Data Sheets (MSDS) contain important safety instructions for handling hazardous substances.

Upon request, we can provide you with these data sheets in compiled form on CD-ROM (article no. 646C16). Occupational safety and environmental protection factors according to the current state of knowledge have been taken into consideration.
<table>
<thead>
<tr>
<th>Section</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shape system</td>
<td>4 - 9</td>
</tr>
<tr>
<td>Shape cushions</td>
<td>10 - 13</td>
</tr>
<tr>
<td>Seating shell modules</td>
<td>14 - 17</td>
</tr>
<tr>
<td>Pelvis-torso positioning</td>
<td>18 - 23</td>
</tr>
<tr>
<td>Head support systems</td>
<td>24 - 29</td>
</tr>
<tr>
<td>Arm positioning</td>
<td>30 - 37</td>
</tr>
<tr>
<td>Leg positioning</td>
<td>38 - 43</td>
</tr>
<tr>
<td>Materials</td>
<td>44 - 53</td>
</tr>
<tr>
<td>Small parts</td>
<td>54 - 59</td>
</tr>
<tr>
<td>Tools</td>
<td>60 - 65</td>
</tr>
<tr>
<td>Upholstering, trimming, coating</td>
<td>66 - 70</td>
</tr>
</tbody>
</table>
Shape system

The shape system combines the contemporary vacuum impression process with the latest digitization technology. The vacuum impression process allows special seating shell fitting requirements to be met through functional stimulation without being pressed for time. Data collection using Shape Digitizer allows a digital model of the seating solution to be prepared quickly and inexpensively.

Practical application

Preparing the vacuum cushions
A vacuum cushion is used as the base for the impression. It is put into a semi-solid state and placed onto the fitting chair prior to the fitting.

Pre-shaping the vacuum cushions
Before taking the impression, the seat and back cushions are pre-shaped in conjunction with the patient.

Shaping the vacuum cushions in conjunction with the patient
The patient is now positioned in the fitting chair with the prepared vacuum cushions. The ideal shape of the seat fitting is determined by applying a vacuum and shaping the cushions. The fit can be verified and adapted over extended periods of time by using functional stimulation. This step in the fitting process is crucial for the success of seat fittings.

Drawing auxiliary lines
To prepare for data collection, auxiliary lines must be drawn on the cushion.

Initializing the digitization device
In order for the digitization device to determine the precise position of the stylus in space, markings have to be placed onto the digitization table in advance. Now the device is ready to use. A computer with the Shape software program is required to operate the digitization device.

Digitization the vacuum cushions
The auxiliary lines are recorded point-by-point with the digitization stylus and transferred to the computer. This process makes it possible to correct the shape already during data collection and to compensate for minor deviations. Other digital processes require extensive post-processing in order to smooth or adjust the surface.
The software permits on-screen post-processing. Detailed changes can be made to the "virtual impression" at any time. The surface can be generated for a realistic view of the 3D model. The surface and the digitalized model can be viewed on-screen simultaneously and compared to each other directly. You can easily send the final data to Otto Bock via e-mail.

We produce a 1:1 copy of the vacuum impression using the latest CNC technology. The final product is a precisely-fitted unfinished cushion made from B75 foam or neoprene for further processing in a customized seating shell.

Once the technician has installed the seat and back cushions in the desired exterior shell, the seating shell is ready for fitting.

You will find comprehensive Otto Bock product finishing services (upholstering, trimming, coating) for your products on pages 66 – 70.

**Required equipment**

A complete Shape system consists of a fitting chair, vacuum impression cushion and the digitization package (consisting of the digitization table, digitization stylus, interface and software).

In addition to the Shape system, a PC is also required (minimum Pentium II 3 350 Mhz, 128 MB RAM, 120 MB free hard drive space). The software is compatible with Windows ME/98SE/2000/XP and Vista.
Digitization package

Includes: Digitization stylus and interface, digitization tablet and software. The digitization equipment converts the vacuum impression taken from the patient into electronic data. A computer with a USB interface and Windows operating system is required.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>448H7</td>
<td>pc.</td>
</tr>
</tbody>
</table>

Back and seat vacuum cushion

Latex filled with synthetic granulate. During evacuation, the shape of the cushion is customized to the patient. The final shape is set by additional evacuation.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Order no.</th>
<th>Dimensions</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Back cushion</td>
<td>Seat cushion</td>
<td>SW 29 cm</td>
<td>pc.</td>
</tr>
<tr>
<td>432B1=29-5</td>
<td>438B1=29-5</td>
<td>SW 29 cm</td>
<td>pc.</td>
</tr>
<tr>
<td>432B1=34-5</td>
<td>438B1=34-5</td>
<td>SW 34 cm</td>
<td>pc.</td>
</tr>
<tr>
<td>432B1=39-5</td>
<td>438B1=39-5</td>
<td>SW 39 cm</td>
<td>pc.</td>
</tr>
<tr>
<td>432B1=44-5</td>
<td>438B1=44-5</td>
<td>SW 44 cm</td>
<td>pc.</td>
</tr>
</tbody>
</table>

Vacuum cushion (no illustration)

One-piece vacuum cushion.

<table>
<thead>
<tr>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>448A13=81x91-5</td>
</tr>
</tbody>
</table>

Hand pump

To evacuate the vacuum cushions.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>448A33</td>
<td>pc.</td>
</tr>
</tbody>
</table>

Fitting chair

The fitting chair is based on a seating shell mobility base equipped with an adjustable attachment. Functional stimulation is possible in conjunction with the vacuum cushion, i.e. the patient can "try out" the impression before the final shape is defined.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>472Q29=10000</td>
<td>pc.</td>
</tr>
</tbody>
</table>
### Arm rest for fitting chair

As an option for the fitting chair.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>HR3330-8100</td>
<td>pc.</td>
</tr>
</tbody>
</table>

### Individual footrests for fitting chair

Individual footrests instead of the single-panel footrest as an option for the fitting chair.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>475B34=PK008</td>
<td>pc.</td>
</tr>
</tbody>
</table>
Shape cushions
Shape cushions

Shape cushions are seat and back cushions produced using the Shape software. By using digitization technology and milling the cushion from a single block, we can guarantee a precisely defined degree of foam rigidity for each part of the cushion. Various raw materials and custom outside dimensions permit optimal seat cushion fittings.
"Shape" seat and back cushions made of B75 foam

High-quality B75 foam cushion milled according to patient data, for installation into an exterior shell. These cushions are milled based on patient data supplied by you to Otto Bock Service Fabrication. Taking an impression using the Shape equipment is required prior to production.

<table>
<thead>
<tr>
<th>Seat cushion</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order no.</td>
<td></td>
</tr>
<tr>
<td>472C32=ST001</td>
<td>pc.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Back cushion</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order no.</td>
<td></td>
</tr>
<tr>
<td>472C32=ST002</td>
<td>pc.</td>
</tr>
</tbody>
</table>

"Shape" seat and back cushions made of B75 foam with radius

High-quality B75 foam cushion milled according to patient data, for installation into an exterior shell. These cushions are milled based on patient data supplied by you to Otto Bock Service Fabrication and also have a milled radius along the sides. This makes them easy to install into the Otto Bock aluminium seating shell. Taking an impression using the Shape equipment is required prior to production.

<table>
<thead>
<tr>
<th>Seat cushion</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order no.</td>
<td></td>
</tr>
<tr>
<td>473C00=ST001</td>
<td>pc.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Back cushion</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order no.</td>
<td></td>
</tr>
<tr>
<td>473C00=ST002</td>
<td>pc.</td>
</tr>
</tbody>
</table>
"Shape" seat and back cushions made of neoprene

Neoprene cushion milled according to patient data, for installation into an exterior shell. These cushions are milled based on patient data supplied by you to Otto Bock Service Fabrication. Taking an impression using the Shape equipment is required prior to production.

<table>
<thead>
<tr>
<th>Seat cushion Order no.</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>473C00=ST012</td>
<td>pc.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Back cushion Order no.</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>473D00=ST012</td>
<td>pc.</td>
</tr>
</tbody>
</table>

"Shape" seat and back cushions made of neoprene with radius

Neoprene cushion milled according to patient data, for installation into an exterior shell. These cushions are milled based on patient data supplied by you to Otto Bock Service Fabrication, and also have a milled radius along the sides. This makes them easy to install into the Otto Bock aluminium seating shell. Taking an impression using the Shape equipment is required prior to production.

<table>
<thead>
<tr>
<th>Seat cushion Order no.</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>473C00=ST011</td>
<td>pc.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Back cushion Order no.</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>473D00=ST011</td>
<td>pc.</td>
</tr>
</tbody>
</table>
Seating shell modules
Seating shell modules

Seating shell modules are used for the installation of seat and back cushions. The seating shell modules provide exterior support for the soft foam and also provide various attachment options for adapters, belts and other accessories. Aluminium seating shell modules can be optimally adapted to the seating shell fitting requirements. Unlike other materials, they are inherently stable and resistant to moisture.
## Seating shell modules

### Coated aluminium shell

<table>
<thead>
<tr>
<th>Width</th>
<th>Seat</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 cm</td>
<td>475C23=SB050</td>
<td>pc.</td>
</tr>
<tr>
<td>34 cm</td>
<td>475C23=SB051</td>
<td>pc.</td>
</tr>
<tr>
<td>38 cm</td>
<td>475C23=SB052</td>
<td>pc.</td>
</tr>
<tr>
<td>42 cm</td>
<td>475C23=SB053</td>
<td>pc.</td>
</tr>
<tr>
<td>46 cm</td>
<td>475C23=SB054</td>
<td>pc.</td>
</tr>
<tr>
<td>50 cm</td>
<td>475C23=SB055</td>
<td>pc.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Width</th>
<th>Back</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 cm</td>
<td>475C23=SB060</td>
<td>pc.</td>
</tr>
<tr>
<td>34 cm</td>
<td>475C23=SB061</td>
<td>pc.</td>
</tr>
<tr>
<td>38 cm</td>
<td>475C23=SB062</td>
<td>pc.</td>
</tr>
<tr>
<td>42 cm</td>
<td>475C23=SB063</td>
<td>pc.</td>
</tr>
<tr>
<td>46 cm</td>
<td>475C23=SB064</td>
<td>pc.</td>
</tr>
<tr>
<td>50 cm</td>
<td>475C23=SB065</td>
<td>pc.</td>
</tr>
</tbody>
</table>

Please consult page 70 for a selection of coating colours.

### Aluminium shell, uncoated

<table>
<thead>
<tr>
<th>Width</th>
<th>Seat</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 cm</td>
<td>475C23=SR050</td>
<td>pc.</td>
</tr>
<tr>
<td>34 cm</td>
<td>475C23=SR051</td>
<td>pc.</td>
</tr>
<tr>
<td>38 cm</td>
<td>475C23=SR052</td>
<td>pc.</td>
</tr>
<tr>
<td>42 cm</td>
<td>475C23=SR053</td>
<td>pc.</td>
</tr>
<tr>
<td>46 cm</td>
<td>475C23=SR054</td>
<td>pc.</td>
</tr>
<tr>
<td>50 cm</td>
<td>475C23=SR055</td>
<td>pc.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Width</th>
<th>Back</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 cm</td>
<td>475C23=SR060</td>
<td>pc.</td>
</tr>
<tr>
<td>34 cm</td>
<td>475C23=SR061</td>
<td>pc.</td>
</tr>
<tr>
<td>38 cm</td>
<td>475C23=SR062</td>
<td>pc.</td>
</tr>
<tr>
<td>42 cm</td>
<td>475C23=SR063</td>
<td>pc.</td>
</tr>
<tr>
<td>46 cm</td>
<td>475C23=SR064</td>
<td>pc.</td>
</tr>
<tr>
<td>50 cm</td>
<td>475C23=SR065</td>
<td>pc.</td>
</tr>
</tbody>
</table>

### Trapezoid adapter, complete

Designed to match the trapezoid interface adapter, the trapezoid seating shell adapter can be used to attach the seating shell to the respective mobility base.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Width</th>
<th>Depth</th>
<th>Load capacity</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>HR32043590</td>
<td>23.5 cm</td>
<td>17.5 cm</td>
<td>75 kg</td>
<td>pc.</td>
</tr>
</tbody>
</table>
"Parallel" seating shell adapter

Adapter for seating shell installation. Available in 2 sizes for various seating shell sizes. Matching "Parallel" footrest system and back angle adjustment.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Width (cm)</th>
<th>Depth (cm)</th>
<th>Load capacity (kg)</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size 1 HR32046700</td>
<td>23.5</td>
<td>17.5</td>
<td>75</td>
<td>pc.</td>
</tr>
<tr>
<td>Size 2 HR32046800</td>
<td>27.5</td>
<td>22</td>
<td>110</td>
<td>pc.</td>
</tr>
</tbody>
</table>

Hang-in adapter for folding wheelchairs

Used to attach the "Parallel" seating shell adapter to manual folding wheelchairs.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>For seat width (wheelchair)</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>HR22617100</td>
<td>28 to 36 cm</td>
<td>pc.</td>
</tr>
<tr>
<td>HR22627100</td>
<td>38 to 52 cm</td>
<td>pc.</td>
</tr>
</tbody>
</table>
Pelvis-torso positioning
Pelvis-torso positioning

In addition to head supports and channel forearm rests, positioning systems are used for seating support and positioning in seating shells or wheelchairs. These systems are usually installed in close proximity to the body; some only keep the pelvis in the ideal position, while others support both the pelvis and torso.

Depending on the initial situation, positioning systems allow the pelvis and torso to be kept in a symmetrical position.
Pelvis-torso positioning

**Fixation vest**

To position the torso in a seating shell. The front of the fixation vest opens and closes with a zipper. Material: Durable nylon.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
<th>Dimensions</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>473K00=SK027</td>
<td>1</td>
<td>A 31.0 cm, B 29.0 cm</td>
<td>blue, red, red, black</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C 9.0 cm, D 12.0 cm</td>
<td></td>
</tr>
<tr>
<td>473K00=SK028</td>
<td>2</td>
<td>A 36.0 cm, B 38.0 cm</td>
<td>blue, red, light grey, black</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C 11.0 cm, D 14.0 cm</td>
<td></td>
</tr>
<tr>
<td>473K00=SK029</td>
<td>3</td>
<td>A 40.0 cm, B 44.0 cm</td>
<td>blue, red, light grey, black</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C 13.0 cm, D 16.0 cm</td>
<td></td>
</tr>
</tbody>
</table>

Please specify the colour when placing your order!

**Pelvic band**

Used to position the pelvis in a seating shell. The two concave spine pads fit the patient’s spinea perfectly. The width can be adjusted via the anterior band. It is put on and taken off using a ratchet closure. Material: Stainless steel band, PU foam pads.

*The maximum outside dimension is the spinea distance + 8 cm.*

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
<th>Spinea distance</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>HR63050010</td>
<td>1</td>
<td>Approx. (11)-18 cm</td>
<td>pc.</td>
</tr>
<tr>
<td>HR63050020</td>
<td>2</td>
<td>Approx. 17-24 cm</td>
<td>pc.</td>
</tr>
<tr>
<td>HR63050030</td>
<td>3</td>
<td>Approx. 23-30 cm</td>
<td>pc.</td>
</tr>
</tbody>
</table>

**Lap belt**

Used to position the pelvis in a seating shell or wheelchair. Material: Durable nylon.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Width</th>
<th>Length</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>473P00=SK001</td>
<td>5 cm</td>
<td>81 cm</td>
<td>blue, red, light grey, black</td>
</tr>
</tbody>
</table>

Please specify the colour when placing your order!

**Lap belt with spinea pads**

Used to position the pelvis in a seating shell or wheelchair. Material: Durable nylon.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
<th>Dimensions</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>HR22615300</td>
<td>1</td>
<td>Width: 5 cm</td>
<td>black</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pad length: 15 cm</td>
<td></td>
</tr>
<tr>
<td>HR22625300</td>
<td>2</td>
<td>Width: 5 cm</td>
<td>black</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pad length: 20 cm</td>
<td></td>
</tr>
</tbody>
</table>

Please specify the colour when placing your order!
Groin strap

Used to position the pelvis in a seating shell. The patient sits in the seat and the leg straps pass through the groin area. Material: Durable nylon.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
<th>Dimensions</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>473N00=SK012</td>
<td>1</td>
<td>A 22.5 cm</td>
<td>blue, red, light grey, black</td>
</tr>
<tr>
<td></td>
<td></td>
<td>B 8.5 cm</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>C 22.5 cm</td>
<td></td>
</tr>
<tr>
<td>473N00=SK013</td>
<td>2</td>
<td>A 25.5 cm</td>
<td>blue, red, light grey, black</td>
</tr>
<tr>
<td></td>
<td></td>
<td>B 12.5 cm</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>C 28.0 cm</td>
<td></td>
</tr>
<tr>
<td>473N00=SK014</td>
<td>3</td>
<td>A 28.5 cm</td>
<td>blue, red, light grey, black</td>
</tr>
<tr>
<td></td>
<td></td>
<td>B 17.5 cm</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>C 31.0 cm</td>
<td></td>
</tr>
</tbody>
</table>

Please specify the colour when placing your order!

Lap belt with metal buckle

Used for light positioning and to protect the patient from falling out of a seating shell or wheelchair. Equipped with a quick-release buckle.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Width</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>446B10=1.5-7</td>
<td>38 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>446B10=2-7</td>
<td>50 mm</td>
<td>pc.</td>
</tr>
</tbody>
</table>

Belt with snap buckle

Used for light positioning and to protect the patient from falling out of a seating shell or wheelchair. The belt can be adjusted as required.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Belt width</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>446B1=1.5-7</td>
<td>38 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>446B1=2-7</td>
<td>50 mm</td>
<td>pc.</td>
</tr>
</tbody>
</table>

Belt with plastic buckle

Used for light positioning and to protect the patient from falling out of a seating shell or wheelchair. Equipped with a plastic buckle. The belt can be adjusted as required.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Belt width</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>434S6=1-7</td>
<td>25 mm</td>
<td>pc.</td>
</tr>
</tbody>
</table>
Pelvis-torso positioning

### Chest belt with overlapping tongue

Used to position the torso in a seating shell or wheelchair. The size refers to the nylon pads. Material: Durable nylon.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
<th>Dimensions</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>473P00=SK003</td>
<td>1</td>
<td>A 42 – 50 cm, B 8.5 cm</td>
<td>blue, red, light grey, black</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C 9.0 cm, D 10.0 cm</td>
<td></td>
</tr>
<tr>
<td>473P00=SK004</td>
<td>2</td>
<td>A 71 – 81 cm, B 10 cm</td>
<td>blue, red, light grey, black</td>
</tr>
</tbody>
</table>

Please specify the colour when placing your order!

### Chest and shoulder pad

Used to position the pelvis and torso in a seating shell. The lower end of the chest and shoulder pad rests on the spine, while the upper straps pass over the shoulders. The upper edge (end of dimension C) should be positioned approximately at the height of the sternum. Material: Durable nylon.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
<th>Dimensions</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>473K00=SK020</td>
<td>1</td>
<td>A 24.0 cm, B 18.0 cm, C 9.0 cm, D 10.0 cm</td>
<td>blue, red, light grey, black</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>473K00=SK021</td>
<td>2</td>
<td>A 33.0 cm, B 20.0 cm, C 19.0 cm, D 10.0 cm</td>
<td>blue, red, light grey, black</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>473K00=SK022</td>
<td>3</td>
<td>A 40.0 cm, B 25.0 cm, C 22.0 cm, D 13.0 cm</td>
<td>blue, red, light grey, black</td>
</tr>
</tbody>
</table>

Please specify the colour when placing your order!

### Four-way chest strap kit

Four-way chest strap kit to position the torso in a seating shell or wheelchair. The length of the straps can be customized.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Strap width</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>434S7=1.5-7</td>
<td>35 mm</td>
<td>pc.</td>
</tr>
</tbody>
</table>

### Chest pad

Holds the torso in place in a seating shell or wheelchair. Material: Flexible PU foam.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>434P21=4-7</td>
<td>Small</td>
<td>pc.</td>
</tr>
<tr>
<td>434P21=3-7</td>
<td>Medium</td>
<td>pc.</td>
</tr>
<tr>
<td>434P21=2-7</td>
<td>Large</td>
<td>pc.</td>
</tr>
<tr>
<td>434P21=1-7</td>
<td>Extra large</td>
<td>pc.</td>
</tr>
</tbody>
</table>

Small: H=10.0 cm, W=16.5 cm
Medium: H=16.5 cm, W=21.0 cm
Large: H=30.0 cm, W=29.0 cm
Extra large: H=38.0 cm, W=29.0 cm
**Straps for chest pad / snap buckle**

To attach the 434P21 chest pad to a seating shell or wheelchair. Closes with a snap buckle. The length of the belt can be customized.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Strap width</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>434S5=1-7</td>
<td>25 mm</td>
<td>4 pcs</td>
</tr>
<tr>
<td>434S6=1-7</td>
<td>25 mm</td>
<td>1 set</td>
</tr>
</tbody>
</table>

**Straps for chest pad / hook-and-loop**

To attach the 434P21 chest pad to a seating shell or wheelchair. Closes with a hook-and-loop closure. The length of the belt can be customized.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Strap width</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>434S3=1-7</td>
<td>25 mm</td>
<td>4 pcs</td>
</tr>
<tr>
<td>434S4=1-7</td>
<td>25 mm</td>
<td>1 set</td>
</tr>
</tbody>
</table>
Head support systems
Head support systems

Otto Bock offers a large variety of head and neck supports. With the appropriate mounting kits, these supports can be attached to most Otto Bock seating systems, seating shells and standard wheelchairs. The headrests consist of polyurethane foam and can be cleaned with mild soap and water.
Head and neck support with lateral control

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>430C2=1-7 (Large)</td>
<td>A 220 mm, B 130 mm, C 130 mm</td>
</tr>
<tr>
<td>430C2=3-7 (Small)</td>
<td>A 180 mm, B 115 mm, C 90 mm</td>
</tr>
</tbody>
</table>

Neck support

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>430N1=1-7 (large)</td>
<td>A 220 mm, B 60 mm, C 90 mm</td>
</tr>
<tr>
<td>430N1=3-7 (small)</td>
<td>A 200 mm, B 60 mm, C 100 mm</td>
</tr>
</tbody>
</table>

Combination head and neck support

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>430C1=1-7 (large)</td>
<td>A 220 mm, B 130 mm, C 90 mm</td>
</tr>
<tr>
<td>430C1=3-7 (small)</td>
<td>A 180 mm, B 115 mm, C 55 mm</td>
</tr>
</tbody>
</table>
# Head support systems

## Wedge-shaped neck support

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>430N1=2-7</td>
<td>A 200 mm, B 60 mm, C 100 mm</td>
</tr>
</tbody>
</table>

## Headrest

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>430H1=1-7 (large)</td>
<td>A 290 mm, B 150 mm, C 50 mm</td>
</tr>
<tr>
<td>430H1=3-7 (small)</td>
<td>A 250 mm, B 100 mm, C 50 mm</td>
</tr>
</tbody>
</table>

## Soft headrest

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>430H2=1-7 (large)</td>
<td>A 280 mm, B 190 mm, C 76 mm</td>
</tr>
<tr>
<td>430H2=3-7 (small)</td>
<td>A 190 mm, B 150 mm, C 50 mm</td>
</tr>
</tbody>
</table>
## Head support systems

### X-shaped neck support

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>430C3=1-7 (large)</td>
<td>A 220 mm, B 195 mm, C 160 mm, D 130 mm</td>
</tr>
<tr>
<td>430C4=1-7 (small)</td>
<td>A 203 mm, B 147 mm, C 110 mm, D 85 mm</td>
</tr>
</tbody>
</table>

### Multi-axis mounting kit, offset

Dimensions: A=400 mm; B=200 mm; C=70 mm

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>476L52=SK010</td>
<td>silver</td>
</tr>
<tr>
<td>476L52=SK015</td>
<td>black</td>
</tr>
</tbody>
</table>

### Multi-axis mounting kit, straight

Dimensions: A=400 mm; B=200 mm

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>476L52=SK020</td>
<td>silver</td>
</tr>
<tr>
<td>476L52=SK025</td>
<td>black</td>
</tr>
</tbody>
</table>
"Goose Neck" mounting kit

Dimensions: A1=256 mm; A2=403 mm; B1=525 mm; B2=123 mm

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>476L52=SK030</td>
<td>silver</td>
</tr>
<tr>
<td>476L52=SK035</td>
<td>black</td>
</tr>
</tbody>
</table>

Mounting clamp, reinforced

Dimensions: A=63,5 mm; B=63,5 mm; C=80,0 mm; D=80,0 mm

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>477L52=SK050</td>
<td>silver</td>
</tr>
<tr>
<td>477L52=SK055</td>
<td>black</td>
</tr>
</tbody>
</table>
Arm positioning
Arm positioning

Modular arm rests are available in three sizes; they can be used in combination with the modular hand supports. The modular system allows flexibility in order to meet the individual needs of various patients. Combined with the appropriate hand support, the modular forearm rest provides functional support for patients with weakness or paralysis of the upper extremities. Each forearm and hand support combination can be installed directly to the wheelchair arm rests and the arm rest swivel units. Support straps can be used if required. We supply all hardware required to mount the modular arm rest to the wheelchair arm rest. If desired, the channel forearm rest can also be used without the hand support for special seating systems. Thus the channel forearm rest can also be used in combination with hand control units, computer joysticks, etc. This permits optimal arm positioning and guidance.
Arm positioning

Channel forearm rest

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>436A2=3-7 (small)</td>
<td>L 205 mm, B 105 mm, D 40 mm, T 25 mm</td>
</tr>
<tr>
<td>436A2=2-7 (medium)</td>
<td>L 290 mm, B 120 mm, D 45 mm, T 25 mm</td>
</tr>
<tr>
<td>436A2=1-7 (large)</td>
<td>L 355 mm, B 120 mm, D 45 mm, T 25 mm</td>
</tr>
</tbody>
</table>

One-piece channel forearm rest

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>436A3=2-7</td>
<td>L 460 mm, B 120 mm, D 45 mm, T 25 mm</td>
</tr>
</tbody>
</table>
Arm positioning

Hand support, flat

The hand supports can be installed in combination with the Otto Bock modular forearm rests. If a particular type of hand support is not required, flat hand supports may be beneficial. They should also be used as the basis for custom fabrication. Since the modular hand supports are offered in various versions, a therapist or technician can decide which design meets the patient’s needs best. A set of belts with hook-and-loop closures can be combined with the channel forearm rests. The hand supports are made of polyurethane foam.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>436P5=1-7</td>
<td>L 230 mm, B 140 mm</td>
</tr>
<tr>
<td>436P5=2-7</td>
<td>L 180 mm, B 115 mm</td>
</tr>
</tbody>
</table>

Hand support, palm extensor

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Installation side</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>436P2=L1-7</td>
<td>left</td>
<td>L 235 mm, B 165 mm</td>
</tr>
<tr>
<td>436P2=R1-7</td>
<td>right</td>
<td>L 235 mm, B 165 mm</td>
</tr>
<tr>
<td>436P2=L2-7</td>
<td>left</td>
<td>L 205 mm, B 145 mm</td>
</tr>
<tr>
<td>436P2=R2-7</td>
<td>right</td>
<td>L 205 mm, B 145 mm</td>
</tr>
</tbody>
</table>

Hand support, horn type

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Installation side</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>436P3=L1-7 (Large)</td>
<td>left</td>
<td>L 190 mm, B 145 mm, D 90 mm</td>
</tr>
<tr>
<td>436P3=R1-7 (Large)</td>
<td>right</td>
<td>L 190 mm, B 145 mm, D 90 mm</td>
</tr>
<tr>
<td>436P3=L2-7 (Small)</td>
<td>left</td>
<td>L 180 mm, B 130 mm, D 80 mm</td>
</tr>
<tr>
<td>436P3=R2-7 (Small)</td>
<td>right</td>
<td>L 180 mm, B 130 mm, D 80 mm</td>
</tr>
</tbody>
</table>
Arm positioning

**Hand support, cone type**

The connecting rod can be deformed for plantar or dorsal flexion.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Installation side</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>436P4=L1-7</td>
<td>(Large) left</td>
<td>L 200 mm, B 130 mm, D 90 mm</td>
</tr>
<tr>
<td>436P4=R1-7</td>
<td>(Large) right</td>
<td></td>
</tr>
<tr>
<td>436P4=L2-7</td>
<td>(Small) left</td>
<td>L 200 mm, B 130 mm, D 70 mm</td>
</tr>
<tr>
<td>436P4=R2-7</td>
<td>(Small) right</td>
<td></td>
</tr>
</tbody>
</table>

**Arm support strap**

A set of straps with hook-and-loop closures improves the safety of patients whose upper extremities tend to slide off the arm rest or hand support. This set of straps can be used with the arm rests and hands supports shown above.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>436S1=1-7</td>
<td>L 510 mm, B 25 mm</td>
</tr>
</tbody>
</table>

**Adjustment plate**

The adjustment plate allows axial adjustments of the entire modular arm rest unit to the left or right by approximately 3 cm.

<table>
<thead>
<tr>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>436H1=7</td>
</tr>
</tbody>
</table>

**Swivel unit bracket**

This component is needed in order to mount the swivel unit for the channel forearm rest to the following Avantgarde Desk side panels: 481E45=PK052/ PK054/ PK064/ PK090/ PK100/ PK110/ PK119/ PK120

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Installation side</th>
</tr>
</thead>
<tbody>
<tr>
<td>481E45=LK140</td>
<td>left</td>
</tr>
<tr>
<td>481E45=RK140</td>
<td>right</td>
</tr>
</tbody>
</table>
Arm positioning

Swivel unit for channel forearm rest

The forearm angle adjustment unit allows settings of 0°, 12.5°, and 25°. Two horizontal adjustment functions are available:

a) Continuous adjustment; the locking pin is lifted and rotated by 180°.

b) In increments of approximately 15°; the locking pin must be in the locking position.

This swivel unit is compatible with all Otto Bock modular channel forearm rests.

The swivel unit can be mounted on the left or right side of the wheelchair. It is supplied ready for right-hand installation. With some minor adjustments, it can be installed on the left side.

Attention: Using the swivel unit increases the height of the arm rest by approximately 3 cm. In order to compensate for this, install a height-adjustable arm rest.

For the Avantgarde Desk side panel, a swivel unit for a tube Ø of 19 mm is required. A tube Ø of 20 mm is required for the Start series.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Tube-Ø</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>476E52=SK010</td>
<td>19 mm</td>
<td>silver</td>
</tr>
<tr>
<td>476E52=SK015</td>
<td>19 mm</td>
<td>black</td>
</tr>
<tr>
<td>476E52=SK020</td>
<td>20 mm</td>
<td>silver</td>
</tr>
<tr>
<td>476E52=SK025</td>
<td>20 mm</td>
<td>black</td>
</tr>
<tr>
<td>476E52=SK030</td>
<td>22.2 mm</td>
<td>silver</td>
</tr>
<tr>
<td>476E52=SK035</td>
<td>22.2 mm</td>
<td>black</td>
</tr>
<tr>
<td>476E52=SK040</td>
<td>25.4 mm</td>
<td>silver</td>
</tr>
<tr>
<td>476E52=SK045</td>
<td>25.4 mm</td>
<td>black</td>
</tr>
</tbody>
</table>

Wheelchair arm rest

The arm rests were designed to replace damaged or unsuitable arm rests on standard wheelchairs. They are easy to interchange and can be supplied in two sizes. The standard length can be attached to wheelchair arm rests with a distance of 225 mm between bore holes; the Desk arm rest can be used for a distance of 85 mm between bore holes.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>436A4=1-7</td>
<td>A 360 mm, B 60 mm</td>
</tr>
<tr>
<td>436A4=2-7</td>
<td>A 260 mm, B 60 mm</td>
</tr>
</tbody>
</table>
Arm positioning

Arm rest with side panel

The arm rests with side panels have a wide surface with continuous panels for additional comfort. They were designed to replace standard wheelchair arm rests with a distance of 225 mm between bore holes.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>436A33=1-7</td>
<td>L 360 mm, B 90 mm, H 200 mm</td>
</tr>
</tbody>
</table>

Rounded arm rest

Compared to the standard arm rest, the rounded arm rest has an improved contour and rounded surfaces. Both sizes can be easily installed on standard arm rests. Standard and Desk arm rests can be installed on arm rests with a distance of 225 mm or 85 mm between bore holes, respectively.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>436A5=1-7 (Standard)</td>
<td>A 360 mm, B 70 mm</td>
</tr>
<tr>
<td>436A5=2-7 (Desk)</td>
<td>A 260 mm, B 70 mm</td>
</tr>
</tbody>
</table>
Arm positioning

Arm pad support, fixed

Matches the arm pads and arm pad support bracket. Colour: Black.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Adjustment range</th>
<th>Spacing</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>475E30=RE004*</td>
<td>80 mm</td>
<td>20 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>475E30=LE004**</td>
<td>80 mm</td>
<td>20 mm</td>
<td>pc.</td>
</tr>
</tbody>
</table>

*for the right side of the shell, **for the left side of the shell

Arm pad support bracket

Flat bracket for arm pad support. Attached to the side of the shell with 4 blind rivets.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Height</th>
<th>Width</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>445E23=SK001</td>
<td>100 mm</td>
<td>75 mm</td>
<td>pc.</td>
</tr>
</tbody>
</table>

Arm pad

Matches the arm pad support. PUR foam, colour: Black.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
<th>Length</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>481E09=SK012</td>
<td>1</td>
<td>270 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>481E09=SK013</td>
<td>2</td>
<td>235 mm</td>
<td>pc.</td>
</tr>
</tbody>
</table>

Tray, transparent

Transparent tray in three sizes. Attaches to the arm pads. Adjustable for various widths. The measurement is taken from the outside edge of the arm pads. Material: Polycarbonate

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
<th>Width from/to</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>481E00=SK160</td>
<td>1</td>
<td>380 – 473 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>481E00=SK170</td>
<td>2</td>
<td>440 – 533 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>481E00=SK180</td>
<td>3</td>
<td>500 – 593 mm</td>
<td>pc.</td>
</tr>
</tbody>
</table>
Leg positioning
Leg positioning

Otto Bock offers a large selection of leg positioning products for custom fittings. They assist with correct positioning for patients who require additional support.
Calf support

The calf support can be attached to any wheelchair with 434H1 STS clamps and the 434F3 mounting kit. Advantages of this system: The calf plates can be folded out of the way forwards or backwards. The calf plates are anatomically shaped, well padded and very comfortable.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>440P2=1-7</td>
<td>B 170 mm, H 230 mm</td>
</tr>
</tbody>
</table>

STS mounting kit, offset

Dimensions: A=110; B=95; C=45 mm.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>434F3=L</td>
<td>left</td>
<td>chrome</td>
</tr>
<tr>
<td>434F3=R</td>
<td>right</td>
<td>chrome</td>
</tr>
<tr>
<td>434F3=L-7</td>
<td>left</td>
<td>black</td>
</tr>
<tr>
<td>434F3=R-7</td>
<td>right</td>
<td>black</td>
</tr>
</tbody>
</table>

STS clamps

These clamps can be installed on the wheelchair with no modifications.

For Otto Bock wheelchairs, you require 434H1 STS clamps for a tube Ø of 25 mm.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Tube-Ø</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>434H1=7/8</td>
<td>22.2 mm</td>
<td>chrome</td>
</tr>
<tr>
<td>434H1=1</td>
<td>25.0 mm</td>
<td>chrome</td>
</tr>
<tr>
<td>434H1=3/4</td>
<td>19.0 mm</td>
<td>chrome</td>
</tr>
<tr>
<td>434H1=7/8-7</td>
<td>22.2 mm</td>
<td>black</td>
</tr>
<tr>
<td>434H1=1-7</td>
<td>25.0 mm</td>
<td>black</td>
</tr>
<tr>
<td>434H1=3/4-7</td>
<td>19.0 mm</td>
<td>black</td>
</tr>
</tbody>
</table>
Leg positioning

Foot bucket

The foot bucket offers comfortable, secure support. It can be used for seating systems or wheelchairs. On standard wheelchairs, the foot bucket is installed directly onto the existing foot plate. The foot bucket consists of an ABS shell and a soft PU foam pad. The pad and bucket are ordered separately. Otto Bock offers the foot bucket in two sizes (large and medium); both have an angle of 90°.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>440R9=1-7 (large)</td>
<td>A 325 mm, B 255 mm, C 185 mm</td>
</tr>
<tr>
<td>440R9=2-7 (medium)</td>
<td>A 220 mm, B 255 mm, C 150 mm</td>
</tr>
</tbody>
</table>

Foot bucket pad

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>440C2=1-7 (large)</td>
<td>A 325 mm, B 255 mm, C 185 mm</td>
</tr>
<tr>
<td>440C2=2-7 (medium)</td>
<td>A 220 mm, B 255 mm, C 150 mm</td>
</tr>
</tbody>
</table>
### Abductor, detachable

The abductor can be adapted to existing seating shells with the 475B23=SK003 bracket. The clamp makes the abductor easy to install and remove.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Colour</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>475N23=SK003</td>
<td>black</td>
<td>pc.</td>
</tr>
</tbody>
</table>

### Abductor, folding

The abductor can be adapted to existing seating shells with the 475B23=SK003 bracket. The height of the abduction block is adjustable and can be folded in order to make it easier to put in or take out the patient.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Colour</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>475N23=SK006</td>
<td>black</td>
<td>pc.</td>
</tr>
</tbody>
</table>

### "Parallel" footrest system

Complete footrest including knee angle for adaptation to the "Parallel" seating shell interface. Adjustable knee angle. Continuous footrest height adjustment. Locked at 90°; can be folded up for transportation. Load capacity up to 50 kg (patient including shell). Colour: Frame black, footrest grey.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
<th>for Parallel adapter</th>
<th>Width</th>
<th>Footplate</th>
<th>Depth</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>475B23=SK009</td>
<td>1</td>
<td>HR32046700</td>
<td>28 cm</td>
<td>20 cm</td>
<td></td>
<td>pc.</td>
</tr>
<tr>
<td>475B23=SK010</td>
<td>2</td>
<td>HR32046800</td>
<td>32 cm</td>
<td>20 cm</td>
<td></td>
<td>pc.</td>
</tr>
</tbody>
</table>
Leg positioning

### Hook & loop strap

The hook & loop straps are used for easier positioning; they are attached to footplates or heel cups with a strap guide loop and flap. Available in three colours:

- black
- blue
- red

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Colour</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>21Y78=25-2</td>
<td>red</td>
<td>pc.</td>
</tr>
<tr>
<td>21Y78=25-5</td>
<td>blue</td>
<td>pc.</td>
</tr>
<tr>
<td>21Y78=25-7</td>
<td>black</td>
<td>pc.</td>
</tr>
</tbody>
</table>

### Buckle strap

The buckle straps with the buckle section, buckle protector and welded roller buckle are suitable for more demanding foot positioning tasks. They are installed on footplates or heel cups. Material: Chrome leather – lohgar leather.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Length</th>
<th>Width</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>21Y56=240</td>
<td>24 cm</td>
<td>2 cm</td>
<td>pc.</td>
</tr>
<tr>
<td>21Y56=280</td>
<td>28 cm</td>
<td>2 cm</td>
<td>pc.</td>
</tr>
<tr>
<td>21Y56=320</td>
<td>32 cm</td>
<td>2 cm</td>
<td>pc.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Length</th>
<th>Width</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>21Y60=240</td>
<td>24 cm</td>
<td>2 cm</td>
<td>pc.</td>
</tr>
<tr>
<td>21Y60=280</td>
<td>28 cm</td>
<td>2 cm</td>
<td>pc.</td>
</tr>
<tr>
<td>21Y60=320</td>
<td>32 cm</td>
<td>2 cm</td>
<td>pc.</td>
</tr>
</tbody>
</table>
Materials
Materials

Otto Bock offers a variety of materials for seating shell construction. Various upholstery fabrics in many colours and a variety of padding materials are available to finish Shape seat cushions.
**"Terry cloth" cover fabric**

Cover fabric for the Ortho-Seat 2 seating system. It is extremely flexible. This lightweight fabric is similar to classic terry cloth.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Width</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>623D2=A / &quot;Black&quot;</td>
<td>1.40 m</td>
<td>running metre</td>
</tr>
<tr>
<td>623D2=F / &quot;Crazy&quot;</td>
<td>1.40 m</td>
<td>running metre</td>
</tr>
</tbody>
</table>

**"Neoprene" cover fabric**

The surface is covered in terry cloth, and the back in nylon.

<table>
<thead>
<tr>
<th>Order number</th>
<th>Width</th>
<th>Thickness</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>617S15=3</td>
<td>m</td>
<td>1,200 mm</td>
<td>black</td>
</tr>
</tbody>
</table>

Please specify the length in metres when placing your order.

**Foam-lined cover fabric**

Foam-lined cotton cover fabric for seating shells.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Width</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>623D1=D-15 / Design 15</td>
<td>1.40 m</td>
<td>qm</td>
</tr>
<tr>
<td>623D1=D-16 / Design 16</td>
<td>1.40 m</td>
<td>qm</td>
</tr>
</tbody>
</table>

**"Spacer" cover fabric**

The spacer fabric ensures optimum air distribution in all directions, soft cushioning, very good restoring characteristics and perfect contour adaptation.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Width</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>623D8=1/ black colour</td>
<td>1.30 m</td>
<td>qm</td>
</tr>
<tr>
<td>623D8=1/ white colour</td>
<td>1.30 m</td>
<td>qm</td>
</tr>
</tbody>
</table>
Artificial leather (Skai)

Used to make incontinence-resistant upholstery.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Width</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>621K1=5 / black colour</td>
<td>1.40 m</td>
<td>qm</td>
</tr>
</tbody>
</table>

"Dartex" cover fabric

Cover fabric used for our Basic line of seat cushions. Incontinence-resistant, breathable, extremely flexible.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Width</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>623D4=1/ black colour</td>
<td>1.50 m</td>
<td>running metre</td>
</tr>
</tbody>
</table>

"Design" cover fabric

Extremely durable cotton seating shell cover fabric in attractive woven designs.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Width</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>623D1=D-11/&quot;Design 11&quot;</td>
<td>1.40 m</td>
<td>running metre</td>
</tr>
<tr>
<td>623D1=D-13/&quot;Design 13&quot;</td>
<td>1.40 m</td>
<td>running metre</td>
</tr>
</tbody>
</table>

"Nylon" fabric for strap systems

Nylon material. For strap systems. Not suitable as a cover fabric for seating shells.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Width</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>623F31=4001/ Black colour</td>
<td>1.50 m</td>
<td>qm</td>
</tr>
<tr>
<td>623F31=4322/ Red colour</td>
<td>1.50 m</td>
<td>qm</td>
</tr>
</tbody>
</table>
### Materials

#### Neoprene adhesive

Used to bond neoprene and many textiles.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>636W65=0.800</td>
<td>0.8 kg</td>
</tr>
<tr>
<td>636W65=3.800</td>
<td>3.8 kg</td>
</tr>
</tbody>
</table>

*Highly flammable*  
*Irritant*

#### Thinner

Used to thin 636W65 neoprene adhesive and to clean tools.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>634A67=0.700</td>
<td>0.7 kg</td>
</tr>
<tr>
<td>634A67=1.750</td>
<td>1.75 kg</td>
</tr>
</tbody>
</table>

*Highly flammable*  
*Hazardous to health*

#### Otto Bock SuperSkin

Sprayable PUR synthetic to finish the surfaces of PUR soft foam covers and seat cushions.  
The required tools (coating set) can be found in the chapter "Tools".

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Colour</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>635C1=1-9010</td>
<td>Pure white</td>
<td>0.9 kg</td>
</tr>
<tr>
<td>635C1=2.5-9010</td>
<td>Pure white</td>
<td>2.3 kg</td>
</tr>
<tr>
<td>635C1=2.5-1026</td>
<td>Bright yellow</td>
<td>2.3 kg</td>
</tr>
<tr>
<td>635C1=2.5-3004</td>
<td>Purple red</td>
<td>2.3 kg</td>
</tr>
<tr>
<td>635C1=2.5-3020</td>
<td>Traffic red</td>
<td>2.3 kg</td>
</tr>
<tr>
<td>635C1=2.5-4008</td>
<td>Signal violet</td>
<td>2.3 kg</td>
</tr>
<tr>
<td>635C1=2.5-5010</td>
<td>Gentian blue</td>
<td>2.3 kg</td>
</tr>
<tr>
<td>635C1=2.5-6034</td>
<td>Pastel turquoise</td>
<td>2.3 kg</td>
</tr>
<tr>
<td>635C1=2.5-7035</td>
<td>Light grey</td>
<td>2.3 kg</td>
</tr>
<tr>
<td>635C1=2.5-9011</td>
<td>Black</td>
<td>2.3 kg</td>
</tr>
<tr>
<td>635C1=1-1050</td>
<td>Gold</td>
<td>0.9 kg</td>
</tr>
</tbody>
</table>

*Highly flammable*  
*Irritant*
SuperSkin cleaner

For high-performance spray guns and other foam finishing tools. 
Not for use as thinner!

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>634A80=1</td>
<td>0.75 kg</td>
</tr>
<tr>
<td>634A80=2.5</td>
<td>1.9 kg</td>
</tr>
</tbody>
</table>

- Highly flammable
- Irritant

Soft foam component A

2-component PUR foam. 
Mixing ratio A:B = 100:40

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>617D50</td>
<td>0.865 kg</td>
</tr>
<tr>
<td>617D50=9.320</td>
<td>9.320 kg</td>
</tr>
</tbody>
</table>

Soft foam component B

2-component PUR foam. 
Mixing ratio A:B = 100:40

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>617D51</td>
<td>0.865 kg</td>
</tr>
<tr>
<td>617D51=4.600</td>
<td>4.600 kg</td>
</tr>
</tbody>
</table>

- Hazardous to health
Materials

**Plastazote**

**White**
For the production of padding and firm pads.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Thickness</th>
<th>Sheet size</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>617S21=6</td>
<td>6 mm</td>
<td>1,000 x 1,000 mm</td>
<td>pc.</td>
</tr>
</tbody>
</table>

**Blue**
For the production of padding and firm pads.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Thickness</th>
<th>Sheet size</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>617S17=6</td>
<td>6 mm</td>
<td>1,000 x 1,000 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>617S17=10</td>
<td>10 mm</td>
<td>1,000 x 1,000 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>617S17=12</td>
<td>12 mm</td>
<td>1,000 x 1,000 mm</td>
<td>pc.</td>
</tr>
</tbody>
</table>

**Relax foam**

**Pink, B60**
For use in highly pressure-sensitive areas of cushions. The foam distinguishes itself through low restoring forces; it has a density of 60 kg/m³.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Thickness</th>
<th>Sheet size</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>616T92=2000x10</td>
<td>10 mm</td>
<td>1,000 x 2,000 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>616T92=2000x20</td>
<td>20 mm</td>
<td>1,000 x 2,000 mm</td>
<td>pc.</td>
</tr>
</tbody>
</table>

**Grey, B65**
For use in highly pressure-sensitive areas of cushions. The foam distinguishes itself through low restoring forces; it has a density of 65 kg/m³.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Thickness</th>
<th>Sheet size</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>616T93=2000x10</td>
<td>10 mm</td>
<td>1,000 x 2,000 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>616T93=2000x20</td>
<td>20 mm</td>
<td>1,000 x 2,000 mm</td>
<td>pc.</td>
</tr>
</tbody>
</table>

**ThermoLyn® PE 200**
Low-shrinkage hard polyethylene. Used to make customized exterior shell components or other reinforcing seating shell elements.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Thickness</th>
<th>Colour</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>616T58=3</td>
<td>3 mm</td>
<td>blue</td>
<td>pc.</td>
</tr>
<tr>
<td>616T60=3</td>
<td>3 mm</td>
<td>red</td>
<td>pc.</td>
</tr>
<tr>
<td>616T62=3</td>
<td>3 mm</td>
<td>black</td>
<td>pc.</td>
</tr>
</tbody>
</table>

Processing temperature from 165°C to 180°C (heating plate, convection oven, and infrared oven), sheet size: 1000 x 2000 mm. Other dimensions and thicknesses are available upon request.
TechnoGel® sheet

With bi-elastic blue Lycra® fabric and PE sheeting on one side. Available in two sheet sizes. Shore hardness approximately 2.5°.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Thickness</th>
<th>Sheet size</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>616S116=50x50x0.3</td>
<td>3 mm</td>
<td>500 x 500 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>616S116=50x50x0.6</td>
<td>6 mm</td>
<td>500 x 500 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>616S116=50x50x0.9</td>
<td>9 mm</td>
<td>500 x 500 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>616S116=50x100x0.3</td>
<td>3 mm</td>
<td>500 x 1000 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>616S116=50x100x0.6</td>
<td>6 mm</td>
<td>500 x 1000 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>616S116=50x100x0.9</td>
<td>9 mm</td>
<td>500 x 1000 mm</td>
<td>pc.</td>
</tr>
</tbody>
</table>

With PU sheeting on both sides. Available in two sheet sizes. Available in 2.5°, 5.0°, 10.0°, and 15.0° shore hardness. Each shore hardness is assigned to a corresponding colour.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Colours/ Shore</th>
<th>Thickness</th>
<th>Sheet size</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>616S8=50x50x0.3-colour</td>
<td>2.5° Shore (blue)</td>
<td>3 mm</td>
<td>500 x 500 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>616S8=50x50x0.6-colour</td>
<td>5.0° Shore (yellow)</td>
<td>6 mm</td>
<td>500 x 500 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>616S8=50x50x0.9-colour</td>
<td>yellow (4)</td>
<td>9 mm</td>
<td>500 x 500 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>616S8=50x100x0.3-colour</td>
<td>10.0° Shore (skin colour)</td>
<td>3 mm</td>
<td>500 x 1000 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>616S8=50x100x0.6-colour</td>
<td>15.0° Shore (red)</td>
<td>6 mm</td>
<td>500 x 1000 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>616S8=50x100x0.9-colour</td>
<td>red (2)</td>
<td>9 mm</td>
<td>500 x 1000 mm</td>
<td>pc.</td>
</tr>
</tbody>
</table>

Foam cells

For use in highly pressure-sensitive areas of cushions. The colours refer to the fill quantity and therefore the firmness of the cell: Blue = small fill quantity; black = medium fill quantity; red = large fill quantity. Cell diameter approximately 150 mm.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>477C00=ST001 (blue)</td>
<td>1 pc.</td>
</tr>
<tr>
<td>477C00=ST002 (black)</td>
<td>1 pc.</td>
</tr>
<tr>
<td>477C00=ST003 (red)</td>
<td>1 pc.</td>
</tr>
</tbody>
</table>

TechnoGel® and ThermoLyn® are registered trademarks of Otto Bock. Lycra® is a registered trademark of Onpart.
Foam sheeting

For bonding to ground foam surfaces in order to compensate for minor irregularities.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Sheet size</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>636S1=2</td>
<td>970 x 2,000 mm</td>
<td>Package of 10</td>
</tr>
</tbody>
</table>

Strap material, black

Sturdy strap material to make customized belt systems in various widths. See the "Small parts" chapter for matching buckles.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Width</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>623H17=1-7</td>
<td>25 mm</td>
<td>running metre</td>
</tr>
<tr>
<td>623H17=1.5-7</td>
<td>38 mm</td>
<td>running metre</td>
</tr>
<tr>
<td>623H17=2-7</td>
<td>50 mm</td>
<td>running metre</td>
</tr>
</tbody>
</table>

Back-to-back strap material

Matching hook-and-loop sides. Used to easily create loops etc.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Width</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>623Z34=1002x25</td>
<td>25 mm</td>
<td>running metre</td>
</tr>
</tbody>
</table>
Small parts
Every seating shell fitting requires a number of small parts: Otto Bock offers a variety of solutions with a selection of hinges, screws, closures and other parts.
### Small parts

**Connection kit**

Solid die-cast hinge with required hardware. Colour: Black.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Length</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>475C23=SK045</td>
<td>75 mm</td>
<td>pc.</td>
</tr>
</tbody>
</table>

**Hinge (no illustration)**

Solid die-cast hinge, same as hinge in connection kit, colour: Black.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Length</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>475C23=ST020</td>
<td>75 mm</td>
<td>pc.</td>
</tr>
</tbody>
</table>

**Adjustment track, complete**

 Aluminium, bore diameter = 5 mm, colour: Black.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Length</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>475C23=SK019</td>
<td>110 mm</td>
<td>pc.</td>
</tr>
</tbody>
</table>

**Protective edge band**

Colour: Black.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>for material thickness</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>481E00=SF003</td>
<td>2 mm</td>
<td>running metre</td>
</tr>
</tbody>
</table>

**Strap guide loop**

See the “Materials” chapter for matching strap material.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Belt width</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>514U2=38-7</td>
<td>38 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>514U2=50-7</td>
<td>50 mm</td>
<td>pc.</td>
</tr>
</tbody>
</table>

**Four-way clamp buckle**

See the “Materials” chapter for matching strap material.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Belt width</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>514K5</td>
<td>25 mm</td>
<td>pc.</td>
</tr>
</tbody>
</table>
Snap buckle

Synthetic. Colour: Black.
See the "Materials" chapter for matching strap material.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Strap width</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>514K4=1</td>
<td>25 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>514K4=1.5</td>
<td>38 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>514K4=2</td>
<td>50 mm</td>
<td>pc.</td>
</tr>
</tbody>
</table>

Glide buckle

Synthetic. Colour: Black.
See the "Materials" chapter for matching strap material.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Strap width</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>514X7=1</td>
<td>25 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>514X7=1.5</td>
<td>38 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>514X7=2</td>
<td>50 mm</td>
<td>pc.</td>
</tr>
</tbody>
</table>

D-ring

For deviating points with installation bores. Colour: Black.
See the "Materials" chapter for matching strap material.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Strap width</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>514Z6=1</td>
<td>25 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>514Z6=1.5</td>
<td>38 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>514Z6=2</td>
<td>50 mm</td>
<td>pc.</td>
</tr>
</tbody>
</table>
## Small parts

### Star handle

With interior thread.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Dimensions</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>475N30=ST008</td>
<td>for M6</td>
<td>pc.</td>
</tr>
</tbody>
</table>

### Adjustable clamping lever

With exterior thread. Colour: Black.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Dimensions</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>475L30=ST014</td>
<td>M6 x 16</td>
<td>pc.</td>
</tr>
<tr>
<td>471D00=ST021</td>
<td>M8 x 20</td>
<td>pc.</td>
</tr>
</tbody>
</table>

### Positioning joint

Fits an interior tube diameter of 19.5 mm.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Length</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>446R3*</td>
<td>127 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>446R4**</td>
<td>127 mm</td>
<td>pc.</td>
</tr>
</tbody>
</table>

*Chrome finish

**No chrome surface finish
Tools

Custom seating shells frequently require processing before or after fittings. Milling, drilling, cutting, sawing, or coating:

Otto Bock offers the perfect tools for every step.
**Tools**

**Freehand milling set**
Includes a milling tool with two specialized milling cutters, suction hood, and two clamping tools for the milling cutters. This processing set is suitable for on-site seat cushion finishing. The milling tool is also ready for the installation of the mobile suction device 701Z100.

Electrical equipment: 2 m power cord with grounded plug.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Maximum RPM</th>
<th>Power requirements</th>
<th>Weight</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>756B8=220</td>
<td>4500/min</td>
<td>1x230V/50-60Hz/0.23kW</td>
<td>1.4 kg</td>
<td>pc.</td>
</tr>
</tbody>
</table>

**Electric cutter**
Used to cut fabric, foil, and soft leather; cutting depth up to 8 mm; built-in knife sharpener; fully insulated and interference-suppressed according to VDE requirements; two six-bow knives and flat base.

Electrical equipment: 2.80 m power cord with grounded plug.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Knife rotation speed under nominal load</th>
<th>Housing diameter</th>
<th>Total length</th>
<th>Power requirements</th>
<th>Weight</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>756B6</td>
<td>2400/min</td>
<td>50 mm</td>
<td>230 mm</td>
<td>1x230V/50-60Hz/0.056kW</td>
<td>1.2 kg</td>
<td>pc.</td>
</tr>
</tbody>
</table>

**Six-bow knife**
Knife for 756B6 electric cutter.

<table>
<thead>
<tr>
<th>Article no.</th>
<th>Weight</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>756Y28</td>
<td>0.015 kg</td>
<td>pc.</td>
</tr>
</tbody>
</table>

**Electric jigsaw**
Robust electronic jigsaw with 4-way orbital action and knob handle. Electronic stroke speed selector according to the material type. FIXTEC quick-clamping system allows blades to be replaced without the use of tools. The base plate can be adjusted quickly and easily without the use of tools; bevel cuts up to 45°; sturdy cast aluminium base plate for precise cutting; chip blower.

Scope of delivery: Vario box, saw blade, chip guard, sole plate.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Idle speed</th>
<th>Cutting depth in wood / nonferrous metal / steel</th>
<th>Stroke depth</th>
<th>Power requirements</th>
<th>Weight</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>756B2</td>
<td>450-3000/min</td>
<td>110 mm/30 mm/10 mm</td>
<td>26 mm</td>
<td>1x230V/50Hz/0.6kW</td>
<td>2.5 kg</td>
<td>pc.</td>
</tr>
</tbody>
</table>

**Jigsaw blades**
For 756B2 electric jigsaw.
Package: 5 pieces.

*HSS version

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Application</th>
<th>Length</th>
<th>Teeth</th>
<th>Weight / package</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>756Y19=1</td>
<td>Wood</td>
<td>75 mm</td>
<td>3.0 mm</td>
<td>0.04 kg</td>
<td>5 pc.</td>
</tr>
<tr>
<td>756Y19=2</td>
<td>Plastic / nonferrous metal *</td>
<td>50 mm</td>
<td>2.0 mm</td>
<td>0.03 kg</td>
<td>5 pc.</td>
</tr>
<tr>
<td>756Y19=3</td>
<td>Stainless steel sheet *</td>
<td>50 mm</td>
<td>1.2 mm</td>
<td>0.03 kg</td>
<td>5 pc.</td>
</tr>
</tbody>
</table>

*HSS version
**Cordless hand drill**

Cordless hand drill with infinitely variable speed control, reversible rotation direction, brake, switch-on lock, high-performance three-stage planetary gear (two speeds), setting ring with torque pre-selection, plus setting for drilling. Slim, ergonomic handle for optimum centre of gravity position.

Scope of delivery: 1 quick charger with "battery full" indicator; 1 12-volt battery pack; 1 plastic case.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Idle speed</th>
<th>Drilling performance in steel / wood</th>
<th>Wood screws</th>
<th>Quick chuck</th>
<th>Power requirements</th>
<th>Alternating current</th>
<th>Weight</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>756B1</td>
<td>1st speed = 0-350 2nd speed = 0-1250</td>
<td>12/20 mm</td>
<td>max. 6 mm</td>
<td>1-10 mm</td>
<td>1x230/50 v/Hz</td>
<td>1.2 kg</td>
<td>pc.</td>
<td></td>
</tr>
</tbody>
</table>

**Punching shears**

Stainless steel tempered cutting head. PVC-coated shanks.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Length</th>
<th>Weight</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>719B1</td>
<td>275 mm</td>
<td>0.600 kg</td>
<td>pc.</td>
</tr>
</tbody>
</table>

"Ideal" metal shears (no illustration)

Stainless steel tempered cutting head. PVC-coated shanks. Can be used as punching shears, pattern shears and plate shears.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Length</th>
<th>Weight</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>719B2</td>
<td>260 mm</td>
<td>0.500 kg</td>
<td>pc.</td>
</tr>
</tbody>
</table>

"Ideal" metal shears with gears

HSS blades, wolfram alloy. PVC-coated shanks. For V2A and stainless steel sheets.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Length</th>
<th>Weight</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>719B3</td>
<td>260 mm</td>
<td>0.520 kg</td>
<td>pc.</td>
</tr>
</tbody>
</table>

Feed-through shears with gears (no illustration)

SS cutting head, toothed blade. Cutting performance: Sheet steel up to a thickness of 1.5 mm, V2A and chrome-nickel sheets up to a thickness of 1.2 mm. PVC-coated shanks.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Length</th>
<th>Weight</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>719B4</td>
<td>260 mm</td>
<td>0.520 kg</td>
<td>pc.</td>
</tr>
</tbody>
</table>
Coating set

Includes a spray gun, suspended pressure reservoir and pressure reducer for connection to a central pressure reducer. For more information on available SuperSkin materials, please consult the "Materials" chapter. For more information regarding "Foam Coating", please request the corresponding information materials under 647H210 and 646Z75=GB.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>746B20</td>
<td>pc.</td>
</tr>
</tbody>
</table>

Compressed air agitator

Used to agitate coating materials, soft foam, etc.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>756D3</td>
<td>pc.</td>
</tr>
</tbody>
</table>

Spray booth with ventilator

Designed with an explosion-proof ventilator – explosion protection according to the 94/9/EC guidelines (ATEX 100). Larger booths are available by request.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Power requirements</th>
<th>Air movement m³/h</th>
<th>Inside dimensions WxHxD mm</th>
<th>Exterior dimensions WxHxD mm</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>758Z60=2</td>
<td>3x400V/50Hz/2,2kW</td>
<td>2300</td>
<td>800x1,290x1,000</td>
<td>800x1,970x1,330</td>
<td>pc.</td>
</tr>
</tbody>
</table>
Foam saw

For precise cutting of foam and similar materials. Saw blades and guides must be ordered separately. These are based on the desired cut width.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Description</th>
<th>Weight</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>701S7</td>
<td>Foam saw</td>
<td>1.6 kg</td>
<td>pc.</td>
</tr>
</tbody>
</table>

Saw blades

For 701S7 foam saw

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Description</th>
<th>Cut width</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>701S8=1</td>
<td>Saw blades f. 701S7 (70 mm)</td>
<td>70 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>701S8=2</td>
<td>Saw blades f. 701S7 (130 mm)</td>
<td>130 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>701S8=3</td>
<td>Saw blades f. 701S7 (200 mm)</td>
<td>200 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>701S8=4</td>
<td>Saw blades f. 701S7 (300 mm)</td>
<td>300 mm</td>
<td>pc.</td>
</tr>
</tbody>
</table>

Saw blade guide

For 701S7 foam saw

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Description</th>
<th>Cut width</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>701S9=1</td>
<td>Guide f. saw blades 70 mm</td>
<td>70 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>701S9=2</td>
<td>Guide f. saw blades 130 mm</td>
<td>130 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>701S9=3</td>
<td>Guide f. saw blades 200 mm</td>
<td>200 mm</td>
<td>pc.</td>
</tr>
<tr>
<td>701S9=4</td>
<td>Guide f. saw blades 300 mm</td>
<td>300 mm</td>
<td>pc.</td>
</tr>
</tbody>
</table>

Blind rivet pliers

With spring and swivel head.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>719E1</td>
<td>pc.</td>
</tr>
</tbody>
</table>

Manual rivet nut pliers (no illustration )

Used to insert threaded bushings into sheet materials. The set includes matching rivet nuts.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>719E2</td>
<td>pc.</td>
</tr>
</tbody>
</table>
Upholstering, trimming, coating
An optimum fit is crucial for a proper seating shell fitting. However, your customers also expect a professional seating shell finish. Otto Bock provides this service. High-quality coatings and customized, professional upholstery give a seating shell a premium appearance.
## Aluminium shell trimming and installation service

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>473C00=SK010</td>
<td>Trimming the aluminium shell (edge 1 cm below the cushion)</td>
</tr>
<tr>
<td>473C00=SK020</td>
<td>Mounting the connection kit / adapters / components</td>
</tr>
<tr>
<td>473S00=SK010</td>
<td>Removing / Mounting accessories</td>
</tr>
</tbody>
</table>

## Seat and back upholstery service

Upholstery service for Shape cushions. For cover fabrics, see the "Materials" chapter.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>473C00=SK008</td>
<td>Seat cover*</td>
</tr>
<tr>
<td>473D00=SK005</td>
<td>Back cover*</td>
</tr>
<tr>
<td>473C00=SK007</td>
<td>Replacement seat cover</td>
</tr>
<tr>
<td>473D00=SK003</td>
<td>Replacement back cover</td>
</tr>
</tbody>
</table>

* Gives you the option of ordering a second cover (replacement cover).

## Seat and back upholstery service (seating shell included)

The upholstery is applied over both the aluminium shell and the cushion so that they are enclosed in a single cover.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>473C00=SK004</td>
<td>Seat cover (shell included)*</td>
</tr>
<tr>
<td>473D00=SK004</td>
<td>Back cover (shell included)*</td>
</tr>
<tr>
<td>473C00=SK009</td>
<td>Replacement seat cover (shell included)</td>
</tr>
<tr>
<td>473D00=SK002</td>
<td>Replacement back cover (shell included)</td>
</tr>
</tbody>
</table>

* Gives you the option of ordering a second cover (replacement cover).
**Upholstery for single components (no illustration)**

We offer an upholstery service for small parts.

### For standard Otto Bock headrests

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>473L00=SK002</td>
<td>1</td>
<td>pc.</td>
</tr>
</tbody>
</table>

### For custom Otto Bock headrests

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>473L00=SK001</td>
<td>1</td>
<td>pc.</td>
</tr>
</tbody>
</table>

### For abductors

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>473C00=SK006</td>
<td>1</td>
<td>pc.</td>
</tr>
</tbody>
</table>

### For thoracic pads (removable)

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>473K00=SK009</td>
<td>1</td>
<td>pc.</td>
</tr>
</tbody>
</table>
Aluminium shell coating

We offer a coating service for the seat and back sections of the aluminium shell after it has been fitted. Alternatively, you can also order a coated aluminium blank from stock. (See the chapter “Seating shell modules”)

Please specify the colour when placing your order!

Order no.
475C23=SX100

Colours

<table>
<thead>
<tr>
<th>Signal Red</th>
<th>Mother-of-Pearl White</th>
<th>Sparkle Light Orange</th>
<th>Anthracite Metallic</th>
<th>Brilliant Silver</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enchanted Blue</td>
<td>Traffic Yellow</td>
<td>Candy Red</td>
<td>Sparkle Red</td>
<td>Ice Blue</td>
</tr>
<tr>
<td>Deep Black</td>
<td>Sparkle Silver New</td>
<td>Sparkle Blue-Green</td>
<td>Dormant Apple Green</td>
<td>Dormant Sky Blue</td>
</tr>
<tr>
<td>Dormant Marine Blue</td>
<td>Clear Reptile Glossy</td>
<td>Sparkle Granny Smith</td>
<td>Dormant Vinho Sparkle</td>
<td>Saturn Blue Metallic</td>
</tr>
</tbody>
</table>
Upholstering, trimming, coating
### Glossary

#### A
- Abductor, detachable .................. 42
- Abductor, folding .................. 42
- Adjustable clamping lever ............. 58
- Adjustment plate .................... 34
- Adjustment track, complete .......... 56
- Aluminium shell coating ............ 70
- Arm ........................................ 31
- Arm pad .............................. 37
- Arm pad support .................. 37
- Arm rest for fitting chair .......... 8
- Arm rest with side panel .......... 36
- Arm support strap ................ 34
- Artificial leather (Skai) ............. 47

#### B
- Back-to-back strap material ......... 52
- Back and seat vacuum cushion ...... 7
- Belt .................................... 21
- Blind rivet pliers .................. 65
- Buckle strap ......................... 43

#### C
- Calf support .......................... 40
- Channel forearm rest ................ 32
- Chest and shoulder pad ............. 22
- Chest belt with overlapping tongue .. 22
- Chest pad ............................. 22
- Coated .................................. 16
- Coating set .......................... 64
- Colours .................................. 70
- Combination head and neck support ... 26
- Compressed air agitator ............ 64
- Connection kit .................... 56
- Cordless hand drill ................ 63

#### D
- "Dartex" cover fabric ............ 47
- "Design" cover fabric ............ 47
- D-ring .................................. 57
- Digitization package ............. 7
- Digitization stylus ............... 7

#### E
- Electric cutter ....................... 62
- Electric jigsaw .................... 62

#### F
- Feed-through shears with gears .... 63
- Fitting chair .......................... 7
- Fixation vest ......................... 20
- Floam cells .......................... 51
- Foam .................................. 46
- Foam saw ............................. 65
- Foam sheeting ..................... 52
- Foot bucket ......................... 41
- Foot bucket pad .................. 41
- Four-way chest strap kit .......... 22
- Four-way clamp buckle ........ 56
- Freehand milling set ............. 62

#### G
- Glide buckle .......................... 57
- "Goose Neck" mounting kit .......... 29
- Groin strap ......................... 21

#### H
- Hand pump ............................. 7
- Hand support, cone type .......... 34
- Hand support, flat ................. 33
- Hand support, horn type .......... 33
- Hand support, palm extensor ...... 33
- Hang-in adapter ............... for folding wheelchairs 17
- Head ................................. 25, 26
- Headrest ............................ 27
- Hinge .................................. 56
- Hook .................................... 43

#### I
- "Ideal" metal shears ............... 63
- "Ideal" metal shears with gears .. 63
- Individual ......................... 8

#### L
- Lap belt ............................. 20, 21
- Lap belt with metal buckle ...... 21
- Lap belt with spiniae pads ...... 20
- Leg .................................. 39

#### M
- Manual .................. 65
- Materials .................. 45
- Mounting clamp, reinforced ...... 29
- Multi-axis mounting kit, offset ... 28
- Multi-axis mounting kit, straight ... 28
Glossary

N
Neck support................................. 26
Neoprene adhesive ......................... 48
"Neoprene" cover fabric .................. 46
"Nylon" fabric for strap systems ....... 47

O
Otto Bock SuperSkin .................... 48

P
"Parallel" footrest system ............... 42
"Parallel" seating shell adapter ....... 17
Pelvic band .................................... 20
Pelvis .......................................... 19
Plastazote ...................................... 50
Positioning joint ............................ 58
Protective edge band ..................... 56
Punching shears ............................ 63

R
Relax foam .................................... 50
Rounded arm rest ......................... 36

S
Seat and back upholstery service .... 68
Seating .......................................... 15
Shape ............................................ 11
"Shape" seat and back cushions
made of B75 foam ......................... 12
"Shape" seat and back cushions
made of B75 foam with radius ....... 12
"Shape" seat and back cushions
made of neopolene ....................... 13
"Shape" seat and back cushions
made of neopolene with radius ...... 13
Shape system ............................... 3 – 9
Small .......................................... 55
Snap buckle ................................... 57
Soft foam component A ................ 49
Soft foam component B ............... 49
Soft headrest ............................... 27
"Spacer" cover fabric ...................... 46
Spray booth with ventilator ........... 64
Star handle ................................... 58
Strap guide loop ......................... 56
Strap material, black ................... 52
Straps for chest pad / hook-and-loop .. 23
Straps for chest pad / snap buckle .... 23
STS clamps ................................. 40
STS mounting kit, offset ............... 40
SuperSkin cleaner ......................... 49
Swivel ......................................... 34
Swivel unit for channel forearm rest... 35

T
TechnoGel® sheet ......................... 51
"Terry cloth" cover fabric .............. 46
ThermoLyn® ................................. 50
Thinner ....................................... 48
Tools ........................................... 61
Trapezoid .................................... 16
Tray ............................................. 37

U
Upholstering ................................. 67
Upholstery for single components .... 69

V
Vacuum cushion ......................... 7

W
Wedge-shaped neck support .......... 27
Wheelchair arm rest .................. 35

X
X-shaped neck support ............... 28