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# Socket Technologies

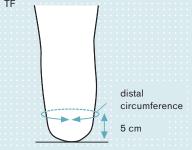
Ottobock Socket Technologies ensure that a highly individual part of the prosthesis, the section that is in direct contact with the residual limb, is adapted to the user and his or her specific requirements. To ensure a high level of safety and wearer comfort, we offer a large selection of liner materials and suspension system for the prosthetic socket.

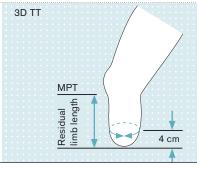
Ottobock is the only supplier in the world that gives the option of selecting the best possible liner for the user from the three materials of silicone, copolymer and polyurethane. Each of the three liner materials has unique characteristics. In combination with the corresponding suspension system, the right material ensures the user's residual limb is securely connected to the prosthesis.

#### **Indications**

- · Residual limbs with a good covering of soft tissue
- · Low to medium activity level
- · Use specific weight bearing socket design
- Many residual limb types; especially residual limbs with dry skin
- Low to medium activity level
- · Use total surface weight bearing socket
- · All residual limb types, especially sensitive, bony and/or scarred residual limbs
- · Low to high activity level
- · Use total surface weight bearing socket according to Harmony principle

#### Measure distal circumference, select next smaller liner size





### 6Y77 Skeo 3D

The anatomy of the lower leg served as the starting point for the development of the Skeo 3D liner. The result is a pre-fl exed liner with varying wall thicknesses.

Additional material protects sensitive areas of the residual limb against pressure and impacts, while knee flexion is facilitated by a thinner layer of material in the hollow of the knee. This makes the liner comfortable to wear. The Skeo 3D for the lower leg is also made of particularly soft silicone.

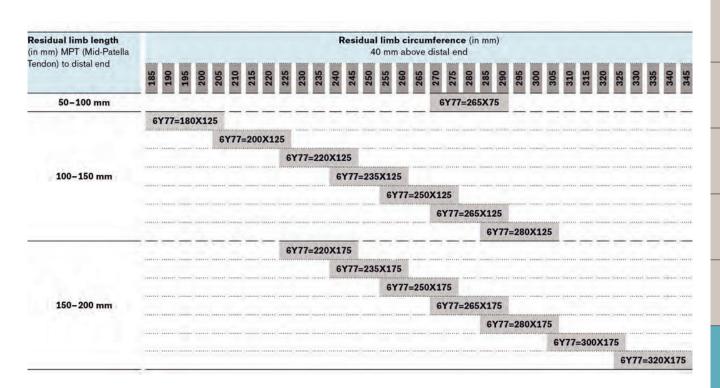
#### Two measurements are needed to determine the correct size of the liner:

- Measure the length from MPT to the end of the residual limb to determine residual limb length.
- Measure the circumference  $40 \text{ mm} (1 \frac{1}{2})$  above end of the residual limb to determine residual limb circumference.
- Select the article number in the table according to the measurements made.

#### Order example

| Referencenumber  | = | Residual circumference | x | Residual length |
|------------------|---|------------------------|---|-----------------|
| 6Y77             | = | 265                    | Х | 75              |
| Deference number |   | EV77                   |   |                 |





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### 6Y75 Skeo Skinguard

Skeo Skinguard liners convince with their comfortably soft silicone material. The liners enhance the user's well-being considerably thanks to the Skinguard antibacterial additive.

#### **Benefits**

- The antibacterial particles prevent bacteria from multiplying and protect the silicone material
- Controls odor caused by bacteria for improved hygiene
- In accordance with the specifications of the JIS Z 2801 standard, an independent laboratory proved that the antibacterial additive causes a reduction up to 99.9 % in bacteria colonies of Staphylococcus aureus (gram-positive) and Escherichia coli (gram-negative)
- The natural skin flora is not influenced by the antibacterial additive
- Custom liners available to fit limbs outside the common size range
- · The special textile cover facilitates donning and doffing of the liner

#### Order example

| Reference number =         | Size  |
|----------------------------|---|
| 6Y75 =                     | 280   |
|                            |   |
| Reference number           | 6Y75  |
| Connection                 | with distal connection, with SkinGuard Technology   |
| Wall thicknesses           | from approx. 5 mm distally, tapering to 3 mm proximally   |
| Size (distal circumference | e) 160 mm, 180 mm, 200 mm, 210 mm, 220 mm, 235 mm, 250 mm, 265 mm, 280 mm, 300 mm, 320 mm, 340 mm, 360 mm, 380 mm, 400 mm |

#### Order example

| Reference number        | =    | Size   | -      | Wall thickness                           |
|-------------------------|------|--|--------|--|
| 6Y70                    | =    | 280  | -      | 6  |
|                         |      |  |        |  |
| Reference number        |      | 6Y70   |        |  |
| Connection              |      | with di  | stal c | connection; without Skinguard Technology |
| Wall thicknesses        |      | 3 mm (-), tapering from approx. 5 mm distal to 3 mm proximal 6 mm (6), 6 mm uniform                                    |        |  |
| Size (distal circumfere | nce) | 160 mm, 180 mm, 200 mm, 210 mm, 220 mm, 235 mm, 250 mm, 265 mm, 280 mm, 300 mm, 320 mm, 340 mm, 360 mm, 380 mm, 400 mm |        |  |

Custom sizes are also available; see the section "Order and Measurement Forms" in the general section "Knowledge & Application".

### 6Y42 Skeo

Ottobock's tried and tested silicone liners have long impressed users with their combination of comfortable connection to the limb and stability.

#### **Benefits**

- Textured inner surface is gentle on the skin when donning and doffing and when bending the knee
- Integrated stabilizing matrix creates a more comfortable distal connection by minimizing
  pistoning (longitudinal stretching) without restricting radial stretching around the residual
  limb
- The special textile cover facilitates donning and doffing of the liner

#### Order example

| Reference number | = | Size |
|------------------|---|------|
| 6Y42             | = | 280  |
|                  |   |      |

| Reference number            | 6Y42   |
|-----------------------------|--|
| Wall thicknesses            | from approx. 4.5 mm distally, tapering to 2.5 mm proximally  |
| Size (distal circumference) | 180 mm, 200 mm, 210 mm, 220 mm, 235 mm, 250 mm, 265 mm, 280 mm, 300 mm, 320 mm, 340 mm, 360 mm, 380 mm, 400 mm, 420 mm, 450 mm |



SIL

### 6Y43 Skeo Pure

Thanks to its transparent silicone material, the Skeo Pure liner allows for a visual check of the fit and the skin's appearance, which offers a significant advantage e.g. for interim fittings.

#### **Benefits**

- Special outside coating makes the liner easy to don and doff, easy to clean and quick to dry
- Textured inner surface is gentle on the skin when donning and doffing and when bending the
- Integrated stabilizing matrix creates a more comfortable distal connection by minimizing pistoning (longitudinal stretching) without restricting radial stretching around the residual
- Because it dries very quickly, the liner is also ideal for use in waterproof prostheses
- · Easy to cut or trim for better fit

#### Order example

| Deference number |   | CV42 |
|------------------|---|------|
| 6Y43             | = | 280  |
| Reference number | = | Size |

| Reference number            | 6Y43   |
|-----------------------------|--|
| Size (distal circumference) | 120 mm, 140 mm, 160 mm, 180 mm, 200 mm, 210 mm, 220 mm, 235 mm, 250 mm, 265 mm, 280 mm, 300 mm, 320 mm, 340 mm, 360 mm, 380 mm, 400 mm, 420 mm, 450 mm |

Can be used in combination with a waterproof prosthesis.





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### ProSeal system

# 6Y81 ProSeal SIL liner

The 6Y81 ProSeal SIL Liner is a special, durable silicone liner for transfemoral vacuum socket fittings.

ProSeal ring technology can be used in transfemoral applications with this liner. The special, smooth exterior coating makes application and removal of the liner easy.

The 6Y81 ProSeal SIL Liner is suitable for transfemoral amputees with a moderate to high activity level.

#### Order example

Wall thicknesses

| Connection       |   | without distal connection |  |
|------------------|---|---------------------------|--|
| Reference number |   | 6Y81                      |  |
| 6Y81             | = | 300                       |  |
| Reference number | = | Size                      |  |
|                  |   |                           |  |

280 mm, 300 mm, 320 mm, 340 mm, 360 mm, 380 mm, 400 mm, 420 mm,



### 452A1 ProSeal ring

Size (distal circumference)

Proximal sealing system for TF vacuum sockets. Recommended in combination with the 6Y81 ProSeal SIL Liner.

450 mm, 500 mm, 550 mm

#### Order example

| Reference number       | = Proximal circumference   |
|------------------------|--|
| 452A1                  | = 320  |
|                        |  |
| Reference number       | 452A1  |
| Proximal circumference | 320 mm, 340 mm, 360 mm, 380 mm, 400 mm, 420 mm, 440 mm, 460 mm, 480 mm, 500 mm, 520 mm, 540 mm, 560 mm, 580 mm, 600 mm, 640 mm |
| Scope of delivery      | Sealing ring, fixation ring, lamination dummy  |



647G597



### 6Y85 / 6Y80 : Skeo Skinguard and Skeo

Skeo Skinguard liners convince with their comfortably soft silicone material. The liners enhance the user's well-being considerably thanks to the Skinguard antibacterial additive.

#### **Benefits**

- The antibacterial particles prevent bacteria from multiplying and protect the silicone material
- · Controls odor caused by bacteria for improved hygiene
- In accordance with the specifications of the JIS Z 2801 standard, an independent laboratory proved that the antibacterial additive causes a reduction up to 99.9 % in bacteria colonies of Staphylococcus aureus (gram-positive) and Escherichia coli (gram-negative)
- The natural skin flora is not influenced by the antibacterial additive
- Custom liners available to fit limbs outside the common size range
- The special textile cover facilitates donning and doffing of the liner

#### Order example

| Reference number | = | Size |
|------------------|---|------|
| 6Y85             | = | 300  |

| Reference number            | 6Y85   |
|-----------------------------|--|
| Connection                  | with distal connection, with SkinGuard Technology                                      |
| Wall thicknesses            | from approx. 4.5 mm distally, tapering to 2.5 mm proximally                            |
| Size (distal circumference) | 280 mm, 300 mm, 320 mm, 340 mm, 360 mm, 380 mm, 400 mm, 420 mm, 450 mm, 500 mm, 550 mm |

#### Order example

| Reference number | = | Size |
|------------------|---|------|
| 6Y80             | = | 300  |

| Reference number            | 6Y80   |
|-----------------------------|--|
| Connection                  | with distal connection, without SkinGuard Technology                                   |
| Wall thicknesses            | from approx. 4.5 mm distally, tapering to 2.5 mm proximally                            |
| Size (distal circumference) | 280 mm, 300 mm, 320 mm, 340 mm, 360 mm, 380 mm, 400 mm, 420 mm, 450 mm, 500 mm, 550 mm |

Oustom sizes are also available; see the section "Order and Measurement Forms" in the general section "Knowledge & Application".







### 6Y87 Skeo 3D (TF)

With its innovative shape, the Skeo 3D for transfemoral amputees is the brand-new addition to the Skeo range of liners. A transfemoral residual limb typically exhibits an especially large amount of soft tissue. Optimally suited to this anatomical characteristic, the Skeo 3D tapers at the distal end. The tapered shape softly cushions the tissues, rather than constricting and pushing them upwards. Meanwhile, the upper section of the liner is cylindrical in shape, thereby supporting the residual limb from all sides. A drop-shaped textile inlay on the outside of the liner serves as a visual and tactile positioning aid and can be used to attach the KISS Lanyard System.

#### Benefits Skeo 3D transfemoral liners

- Conical shape in the distal area encloses and protects sensitive soft tissues
- Cylindrical shape provides a better and tighter connection in the proximal area
- The special textile cover facilitates donning and doffing of the liner
- Special textile area for simple attachment of the KISS Lanyard velcro

#### Order example

Size (distal circumference)

| Reference number | = | Size |      |  |  |
|------------------|---|------|------|--|--|
| 6Y87             | = | 300  |      |  |  |
| Reference number |   |      | 6Y87 |  |  |

with distal connection

280, 300, 320, 340, 360, 380, 400, 450

#### 6Y512 Anatomic 3D PUR liner

The Anatomic 3D PUR liner is based on the anatomy of the lower leg. Thanks to innovative ASG (anatomy-specific geometry) technology, the liner sets new protection standards. The polyurethane material ensures optimum pressure distribution and durability. A special structure distributes moisture in the liner during use so it literally disappears in the texture. The Anatomic 3D PUR Liner is available with the antibacterial additive Skinguard Technology.

#### Size selection:

- Measure the length from MPT to the distal end of the residual limb to determine residual limb length.
- Measure the circumference 40 mm from the distal end of the residual limb to determine residual limb circumference.
- Select the article number in the table according to the measurements taken.
- The proximal circumference 100 mm above the MPT can be used to check the fit on the thigh.
   This helps you decide whether a standard liner will fit or whether to use a custom liner.
   Compare the measurement in the right column with the previously determined proximal circumference.

#### Order example

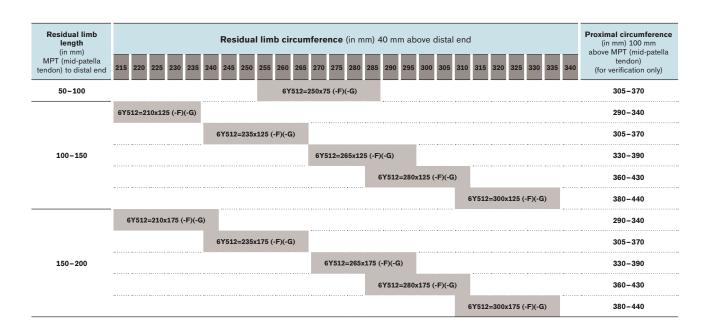
| Reference<br>number | =   | Residual<br>limb<br>circumfere | x    | Residual<br>limb<br>length | (-F: with textile)<br>(-G: with Skinguard<br>Technology) |  |
|---------------------|-----|--------------------------------|------|----------------------------|--|--|
| 6Y512               | =   | 210                            | Х    | 175                        | (-F)(-G)   |  |
| Reference numb      | oer |                                | Y512 |                            |  |  |

Please select the model here as well (textile: none or partial (-F)).









**PUR** 



### 6Y522 / 6Y523 Simplicity tapered PUR liner

The Simplicity Tapered PUR Liner is made of special skin-friendly polyurethane featuring excellent flowing characteristics. They ensure optimum pressure distribution and high shock absorption.

For additional protection of the residual limb, we chose a wall thickness of 6 mm in the distal area (up to 10 cm) tapering to 3 mm in the proximal direction.

The Simplicity Tapered PUR Liner is designed for users with a low to moderate activity level. The Simplicity PUR Liner is available with the Skinguard Technology antibacterial additive.

#### Order example

| Reference number | = | Size | - | (with Skinguard Technology) |
|------------------|---|------|---|-----------------------------|
| 6Y522            | = | 190  | - | (G)                         |

| Reference number            | 6Y522  |  |  |  |
|-----------------------------|--|--|--|--|
| Connection                  | without distal connection  |  |  |  |
| Wall thicknesses            | 6 mm wall thickness up to 10 cm distal, tapering to 3 mm wall thickness proximal |  |  |  |
| Size (distal circumference) | 190 mm, 210 mm, 230 mm, 250 mm, 290 mm, 310 mm                                   |  |  |  |
| Textile cover               | without textile cover (-)  | with Skinguard Technology (-G)                     |  |  |
|                             |  |  |  |  |
|                             |  |  |  |  |
| Reference number            | 6Y523  |  |  |  |
| Reference number            | 6Y523 without distal connection  |  |  |  |
|                             | without distal connection  | n distal, tapering to 3 mm wall thickness proximal |  |  |
| Connection                  | without distal connection  |  |  |  |



### 6Y540 Akquire PUR liner

The 6Y540 AKquire PUR Liner for transfemoral amputees is made of a special, skin-friendly polyurethane featuring excellent flowing properties. They ensure optimum pressure distribution and high shock absorption.

The thin proximal wall thickness (3 mm) allows for a comfortable transition to the socket. The 6Y540 AKquire PUR Liner is suitable for transfemoral amputees with a low to moderate activity level.

Order example

| Reference number | = | Size |
|------------------|---|------|
| 6Y540            | = | 305  |

| Reference number            | 6Y540   |  |  |
|-----------------------------|---|--|--|
| Connection                  | without distal connection                               |  |  |
| Wall thicknesses            | from approx. 5 mm distally, tapering to 3 mm proximally |  |  |
| Size (distal circumference) | 203 mm, 254 mm, 305 mm, 355 mm, 405 mm, 457 mm, 508 mm  |  |  |
|                             |   |  |  |

### 6Y93=C6 / 6Y93=L6 Balance TPE liner

The 6Y93 Balance TPE Liner is a skin-friendly and easy to apply solution for users with a low to moderate activity level. The soft, flexible, thermoformable material reduces shear forces and pressure while the medical white oil moisturises and regenerates the skin. Various wall thicknesses offer protection with flexibility while keeping the residual limb in balance.

Order example

| =    | Connection | Distal cushion                                    | -                                    | Size                          |
|------|------------|---|--------------------------------------|-------------------------------|
| =    | С          | 6   | -                                    | M                             |
|      |            |   |                                      |                               |
| 6Y9  | 3=C6       |   | 6Y                                   | 93=L6                         |
| with | out        |   | wit                                  | h                             |
| with | 1          |   |                                      |                               |
| 38 ( | cm         |   |                                      |                               |
| 6 m  | m          |   |                                      |                               |
|      | e 6Y9      | = Connection = C  6Y93=C6 without with 38 cm 6 mm | = C 6  6Y93=C6  without  with  38 cm | 6Y93=C6 6Y without with 38 cm |

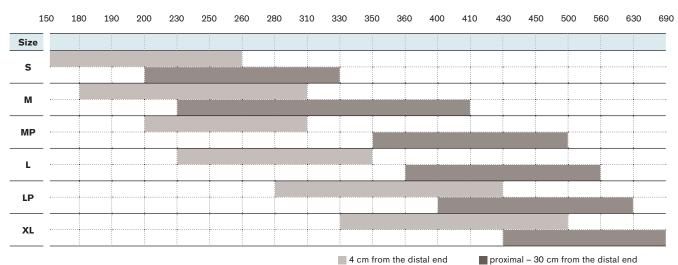


TPE

The longer 6Y93F Balance TPE Liner version is intended especially for Symes and knee disarticulation amputees.

Thanks to the distal cushion with extra reinforcement, highly sensitive residual limbs are protected.

| Reference number  | 6Y93F=C6 | 6Y93F=L6                                |
|-------------------|----------|---|
| Distal connection | without  | with                                    |
| Exterior coating  | with     | *************************************** |
| Liner length      | 50 cm    |   |
| Distal cushion    | 14 mm    |   |





### **Practical recommendation:**

S, M, L and XL are standard sizes. MP and LP are special sizes for a more conical residual limb shape. Measure the circumference on the distal end (4cm) and proximal end (30cm from the distal end). Select the size from the following table.



### 6Y92 / 6Y90 Basic TPE liner

The 6Y90 and 6Y92 Basic TPE Liners are cylindrical shaped, textile-covered liners made from a thermoformable copolymer. The user-friendly copolymer contains a medical grade mineral oil which helps moisturise dry skin and contains an antioxidant which traps free radicals and hydroxyl groups.

The 6Y90 and 6Y92 Basic TPE Liners are suitable for patients with a low to moderate activity level.

#### Order example

Reference number = Size
6Y92 = 200

| Reference number            | 6Y92  | 6Y90  |  |  |
|-----------------------------|---|---|--|--|
| Connection                  | without distal connection   | with distal connection and 10 cm<br>distal matrix |  |  |
| Distal cap                  | without distal cap  | with distal cap                                   |  |  |
| Wall thicknesses            | 10 mm thick distal cushion pad; wall thickness tapering from 5.5 mm to 2.5 proximal |   |  |  |
| Size (distal circumference) | 200 mm, 250 mm, 280 mm, 320 mm, 36  | O mm  |  |  |

### **Custom liners**

Ottobock understands that your patients are unique and present different challenges. Our custom liners are an excellent solution when a personalised fit is needed.

## Custom polyurethane (PUR) liners



Every user is unique.

A custom polyurethane (PUR) liner meets these requirements because it is made to order for a specific user. This makes it the perfect solution for anyone requiring a highly individual fitting. It offers you the opportunity to meet the specific needs of the user. Thanks to innovative technology, the custom polyurethane (PUR) liner has numerous advantages:

- Optimised material offers enhanced tear and puncture resistance
- Flow characteristics that assure excellent pressure distribution are retained
- High durability thanks to a special surface coating
- Easy handling for the user
- Custom fit for all residual limb shapes
- As an option, custom PUR liners are available with the Skinguard Technology antibacterial additive

#### 6Y400 PUR custom liner

Custom PUR liner from cast and measurement form

Article number 6Y400

### 6Y414 Harmony custom liner (PUR)

Harmony custom liner (PUR) – offers the best liner properties for the Harmony system. Fabricated according to a plaster cast.

Article number 6Y414

### 6Y416 Shapeplus custom PUR liner

ShapePlus custom PUR liner – for challenging shapes and sizes, such as scarring, undercuts, knee flexion  $15-35^{\circ}$ , large circumferences ( $\geq 80$ cm) or long lengths (MPT to distal end  $\geq 30$ cm), i.e. Symes, knee disarticulations, etc. Fabricated according to a plaster cast.

Article number 6Y416



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### 6Y430 PUR custom liner for transfemoral fittings

Fabricated according to a plaster cast or submitted check socket.

Article number

6Y430

### Custom silicone (SIL) liners

Our custom silicone liners provide solutions when the situation requires locking liner suspension or added durability. The product range of custom silicone liners extends from versions of our 6Y70 and 6Y80 liners fabricated according to your measurements, to highly versatile and durable custom liners from Silicone Fabrication for unique shapes, e.g. highly conical or in case of scarring, with multiple durometers, undercuts, varied lengths and thicknesses, and when custom colours are desired for a truly personal touch.



### 6Y70=M Custom silicone gel liner

| Article number | 6Y70=M   |
|----------------|--|
| Connection     | with distal connection; without Skinguard Technology |
|                |  |

### 6Y80=M TF adapt custom silicone liner

| Article number | 6Y80=M   |
|----------------|--|
| Connection     | with distal connection, without SkinGuard Technology |

### 88L Custom silicone liner from a plaster cast

| Article number | 88L |
|----------------|-----|

### 6Y81=M-2 Proseal custom sil liner

| Article number | 6Y81=M-2                                      |
|----------------|---|
| Connection     | without distal connection (without blind cap) |



### 453H12 Derma prevent

- · Prevents chafing
- Inhibits contact with external allergens
- Covers highly stressed skin with a protective coating and leaves it soft and supple
- Inhibits perspiration and odour formation through the individual release of an active substance

| Article number | 453H12       | 453H12=1 |  |  |  |  |
|----------------|--------------|----------|--|--|--|--|
| Order by       | 6 bottles    | 1 bottle |  |  |  |  |
| Packaging      | Package of 6 | 1 pc     |  |  |  |  |
| Contents       | 100 мл       |          |  |  |  |  |



#### **Practical recommendation:**

To reduce the static friction of Polytol, rub a thin layer of Derma Prevent on the inside and outside of the socket. Do not apply Derma Prevent to those places where a double sided adhesive strip or a self-adhesive hook or loop strip will be attached later on.



### 453H10 Derma clean

- · Cleans gently and safely
- Ph-neutral, free of alkali and phosphates
- Anti-bacterial formula

| Article number | 453H10    | 453H10=1 |
|----------------|-----------|----------|
| Order by       | 6 bottles | 1 bottle |
| Contents       | 300 мл    | ••••••   |



### 453H14 Derma repair

- Moisturises and promotes the regeneration of dry, irritated skin
- · Reduces the effects of excessive strain and soothes irritated skin
- Antibacterial formula: helps assist the skin's defence system against harmful environmental effects
- Regulates moisture and makes the skin noticeably more supple and elastic
- Improves skin function, promotes the skin's blood circulation and helps cells to grow

| Article number | 453H14    | 453H14=1 |  |  |  |
|----------------|-----------|----------|--|--|--|
| Order by       | 6 bottles | 1 bottle |  |  |  |
| Contents       | 200 мл    |          |  |  |  |



### Accessories

### 453H30=GB Derma travel set

Contains one bottle each of Derma Clean, Derma Prevent and Derma Repair as well as a handy toilet bag.

| Article number | 453H30=GB |
|----------------|-----------|
|                |           |

### 646M453 Derma trial set

One small trial bottle each of Derma Clean, Derma Prevent and Derma Repair.

Article number

646M453





### 719S20 Special scissors for cutting synthetic fabrics

For cutting fabric covered liners. The scissors' special coating is designed to cut through synthetic fibres and ensure effective protection against abrasive wear. The coating makes the scissor blades especially durable. Friction constantly replenishes the ceramic oxide layer. The scissors are resistant against UV and perspiration and extremely corrosion resistant. The very low-friction coating allows the scissors to cut modern high-performance fabrics easily.

| Article number | 719S20   |
|----------------|--|
| Weight         | 0.2 kg   |
| To be used for | Cutting TF Adapt liners, liners with textile coating |
|                | Weight   |



### 756L10 Liner trimmer

For trimming and bevelling the proximal end of gel liners in one process step. The liner trimmer leaves a smooth edge.

| Article number | 756L10  |
|----------------|---|
| Weight         | 2.9 kg  |
| To be used for | Trimming and bevelling the proximal end of gel liners in one work step. The liner trimmer leaves a smooth edge. |



### 640F18 Donning spray for silicone liners

| Article number | 640F18 | 640F18=900 |  |  |  |
|----------------|--------|------------|--|--|--|
| Contents       | 45 ml  | 900 ml     |  |  |  |
|                |        |            |  |  |  |

After just three simple application steps, your patient can experience added freedom of movement in the knee with the AeroLink System:

**Step 1:** The AeroLink Hybrid Liner is rolled over the residual limb. Then the user slides into the inner socket.

**Step 2:** The user folds the vacuum flap integrated in the liner over the edge of the inner socket, creating an airtight seal. Air remaining in the inner socket is pushed out through the valve in the pin integrated in the inner socket.

**Step 3**: Now the user slides into the outer socket. In this process, the outer and inner socket are joined by the pin with the AeroLink Connector.

#### Indications:

- Suitable for all users with a transtibial prosthesis and residual limb length of at least 12 cm.
- Recommended for mobility grade 2-4.

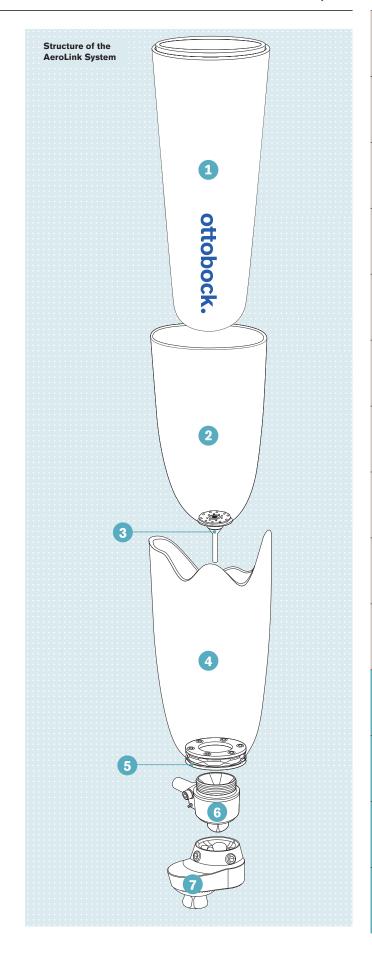
#### Recommendation:

• If the residual limb length is less than 15 cm, the AeroLink Hybrid Liner should not be shortened below the patella.

- 1 6Y100 AeroLink Hybrid Liner with vacuum flap
- 2 ThermoLyn inner socket
- 3 Pin with integrated exhaust valve
- 4 Outer socket
- 5 Lamination disc
- 6 6A50 AeroLink Connector with connection option for the Harmony System
- 7 6A54 Sliding Adapter

(6A53 Sliding Adapter not illustrated)

\*Source: "A new trim line concept for trans-tibial amputation prosthetic sockets", Bengt Söderberg (2002)





### 6Y100 Aerolink hybrit liner with vacuum flap

The AeroLink system is used with the first hybrid liner by Ottobock. Joined using a special process, the AeroLink Hybrid Liner combines two liner materials and their favourable properties. The interior is made of polyurethane and protects the residual limb and bony structures thanks to its shock absorbing characteristics. At the same time, it ensures optimum pressure distribution across the entire residual limb, both for passive and active generation of the vacuum. The outside of the liner and the integrated vacuum flap are made of silicone, proven in everyday use thanks to its robustness. This is particularly important when the vacuum flap is folded over the inner socket to create an airtight seal for the system.

#### Order example

| Reference Number | = | Size | x | Length |
|------------------|---|------|---|--------|
| 6Y100            | = | 280  | Х | 125    |

| Reference<br>number         | 6Y100                         |                           |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|-----------------------------|-------------------------------|---------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Connection                  | without dist                  | without distal connection |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| Residual limb circumference | 160 - 185<br>mm               | 180 - 205<br>mm           | 200 - 220<br>mm | 210 - 230<br>mm | 220 - 240<br>mm | 236 - 260<br>mm | 250 - 275<br>mm | 265 - 290<br>mm | 280 - 310<br>mm | 305 - 330<br>mm | 325 - 350<br>mm | 345 - 370<br>mm |
| Size                        | 160 mm                        | 180 mm                    | 200 mm          | 210 mm          | 220 mm          | 235 mm          | 250 mm          | 265 mm          | 280 mm          | 300 mm          | 320 mm          | 340 mm          |
| Length                      | 75 mm, 125 mm, 175 mm, 225 mm |                           |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |

Bonding length: to determine the bonding length between the two materials, the distance from the Tuberositas Tibiae to the residual limb end is measured. Then the next shorter length is chosen.



### 6A50 Aerolink connector

The AeroLink Connector has two functions in the system: the pin forms the mechanical connection between the inner and outer socket, while the valve integrated in the pin generates the vacuum in the inner socket.

Furthermore, the AeroLink System features a hose fitting where an electronic or mechanical Harmony pump can be connected without modifying the socket.



| Article number   | 6A50   |
|------------------|--------|
| Max. body weight | 125 kg |