Silicone finger and partial hand prostheses
Custom-made to your specifications
Providing your patients with a good grip on everyday life

Ottobock Service Fabrication fabricates silicone finger and partial hand prostheses based on individual specifications.

Our quality standard:
We use medical grade silicone materials for our silicone prostheses in order to cover all important characteristics for an optimum fitting: functionality, aesthetics and comfort.

Functionality:
The silicone prosthesis provides basic passive functions, such as a counter-support when grasping objects.

Aesthetics:
Due to the use of silicone, it is possible to recreate the colour of the skin surface perfectly, and also to capture the smallest details such as small veins, skin pigments or hair. Even the nails are handmade and can be painted if desired.

Comfort:
Silicone prostheses are held securely on the residual limb by a vacuum, without bothersome closures. The thin, tapered edges additionally improve wearer comfort. Silicone prostheses are also very easy to maintain.

Advantages for the patient
With a silicone finger or partial hand prosthesis:
• The external appearance is restored with deceptive realism, for example by individually designing the shape and colour of the fingernails – down to every last detail, if desired
• The range of gripping options for the affected hand is expanded
• Keyboards, telephones and other devices can again be used
• Freedom of movement for the adjacent fingers is not restricted due to thin socket edges
• The residual limb is protected due to the custom socket design
• Ease of use is assured: the silicone finger or partial hand prosthesis is easy to put on and take off
• Cleaning is straightforward: the prosthesis can be cleaned daily with water and pH-neutral soap on the in and outside
"Natural" silicone finger prostheses with acrylic nails (ring and index finger, right hand)
"Natural" silicone partial hand prosthesis with acrylic nails (right hand)
Various grip types

The vast range of hand function is evident from its positions, movements and actions. With the help of a silicone finger or partial hand prosthesis, the patient is able to perform important types of grips and to relieve other hand muscles.

**Fingertip grip**
The fingertip grip is performed with the thumb and index finger. It allows the user to grasp and hold very small objects, such as a needle or match, or larger objects such as a sheet of paper or a pencil.

**Three-point grip**
The three-point grip is performed with the thumb, index finger and middle finger. This grip is often used when writing.

**Ball grip**
The ball grip is performed with all fingers and used to securely grasp larger objects such as a tennis ball.
Tailored to your customers –
our product versions

All silicone prostheses are individual and custom-made. From the prosthetic socket to the fingernails, all components are designed to your specifications.

Initially, the experts at Service Fabrication always fabricate a trial prosthesis for the patient to test. Due to this trial prosthetic fitting, the position of the fingers for example can be adjusted.

For the definitive prosthesis, you can individually determine the level of colour detail for the silicone prosthesis. The following three versions are available for selection:

"Basic": The entire prosthesis is fabricated with an individual hue.

"Classic": 2 or 3 colours individually coordinated with your patient’s skin tones are used for the design. The fingernails are custom-made of silicone or acrylic.

"Natural": The prosthesis is designed with 6 to 8 colours, individually coordinated with your patient’s skin tones. The fingernails are made of silicone or acrylic using multiple colours.

Fittings with silicone prostheses –
medically relevant information

Indicated amputation levels:
• Silicone finger prosthesis: finger amputations with a residual limb length of more than 2 cm
• Silicone partial hand prosthesis: amputations up to the metacarpus
• Silicone partial hand prosthesis: amputations with a residual limb length of less than 2 cm

Contraindications:
• Transcarpal residual limbs
• Unstable residual limb volume with fluctuations of more than 5%
• Unhealed residual limb conditions
• Finger joint/wrist and residual limb ends that are unable to bear weight

Technical-medical functions:
• Custom socket design and residual limb compression with even pressure distribution
• High surface adhesion and full contact with good fixation on the residual limb
• Thin-walled socket and form-fit edge on the residual limb without closures
• Histologically harmless material
• Easy to clean and can be sterilized by boiling
<table>
<thead>
<tr>
<th>Version</th>
<th>Skin tone – customised</th>
<th>Silicone nails – one colour</th>
<th>Silicone nails – customised, multi-coloured</th>
<th>Acrylic nails – customised, multi-coloured</th>
<th>Other extras</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic</td>
<td>1 skin tone</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Classic</td>
<td>2-3 skin tones</td>
<td>√</td>
<td>√</td>
<td>√</td>
<td></td>
</tr>
<tr>
<td>Natural</td>
<td>6-8 skin tones</td>
<td>–</td>
<td>√</td>
<td>√</td>
<td>Veins, hair and skin pigmentation can be replicated by request</td>
</tr>
</tbody>
</table>

1 Basic
2 Classic
3 Natural
4 Silicone fingernail, one colour
5 Silicone fingernail, multicoloured
6 Acrylic fingernail
Information on the ordering process

In order to fabricate a custom prosthesis, we need you to provide us with information for the design and colour determination of the prosthesis including order data:

The **design** encompasses:
- Measuring the patient's residual limb
- Completing the measurement form
- Taking informative photos of the left and right hand
- Fabricating an Impresil negative of the affected and contralateral sides

For **colour determination**, you require:
- Colour Determination Set (647F285=D)
- Colour Determination Ring (89D4)

The **order**, the order forms must be completed in full.

Ottobock Service Fabrication will fabricate the trial prosthesis according to your specifications and ship it up to 10 working days later.

You can provide the **trial prosthesis** to your patient to test for approximately 4 weeks. If required, you can modify the trial prosthesis yourself. After the test phase, please return the trial prosthesis to Ottobock Service Fabrication.

Ottobock Service Fabrication will fabricate the **definitive prosthesis** according to your specifications and ship it up to 15 working days later.

Within a short period of time, you can fit your patient with the new, functional and aesthetically appealing silicone finger or partial hand prosthesis.

To fabricate the Natural version, the patient must visit an Ottobock Competence Centre. Prior to final finishing, the patient attend a follow-up appointment in order to optimise the aesthetic appearance.
With us, you set the direction

Through Service Fabrication...

... you gain more time with your customers and to develop new market segments.

... you realise sales potential without having to make an investment.

... you receive prompt, delivery with the highest quality.

... you benefit from ongoing development: we test new materials and invest in modern technology as well as the technical expertise of our employees.

Information for prescribers

**Patient benefits:**
- Improved gripping function
- Restoration of counter-support for the remaining fingers

**Text for prescription:**
- Passively functional silicone finger or partial hand prosthesis

**Available versions:**
- "Basic", "Classic", "Natural" (see page 6 and 7)

**Diagnosis:**
- Condition after amputation
For more information on the topic of finger and partial hand amputations as well as fitting options, please visit our website: www.fingeramputation.ca