

Otto Bock[®]

QUALITY FOR LIFE



Customized Care with Silicone Products

| Patient Information |

Customized Care with Silicone Products

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Customized Care with Silicone Products from Otto Bock

Individuality has the highest priority at Otto Bock. The care and established fitting techniques provided by Otto Bock are just as unique as the people and their demands.

Each silicone fitting represents a small "work of art", which is especially fascinating due to individually matching and natural-looking shapes and colors. In addition, you can benefit from the functional advantages and superior wearing comfort.

High-quality materials such as Medical Grade HTV¹ Silicone, as well as the expertise and experience of our employees, are the key factors of our concept. The advantages of the silicone used include excellent skin compatibility and high tear resistance. In the brim areas, the soft material can be made thin to create an almost invisible transition to the skin. Using Otto Bock ProComfort Gel makes putting on the prosthesis simple. The prosthesis can be easily and effectively cleaned with soap and water.

¹ High temperature cross-linked

Customized Care with Silicone Products

Silicone – The Material

Scientific studies and years of experience show that, due to its material properties, silicone is ideal for creating prosthetic parts that come in direct contact with skin. The material used by Otto Bock is a high-quality, so-called "medical grade" silicone. This silicone is physiologically recognized as safe and has many advantages over other types of silicone.

Optimal fit and a customized, natural look are the two key points taken into consideration at Otto Bock. Silicone provides the best possible contact between the prosthesis and the skin so that even swimming is possible with the prosthesis. With the help of special colors, the silicone is adapted to match the natural skin tone, thus giving the prosthesis its individual look.

The tear resistance of the material allows for thin, almost invisible transitions to the skin. The high degree of material elasticity makes it easy to pull the prosthesis on and off without fasteners.

Its water-resistant characteristics makes cleaning the prosthesis easy. Dirt can be easily washed away with soap and water. The prosthesis can even be disinfected in boiling water.

The chemical composition of the Medical Grade Silicone used prevents the prosthesis from aging.



Product Fabrication and Fitting Procedure

Once you and your orthopedic technician have decided in favor of customized care by Otto Bock, we will go through a number of working steps together.

First of all you will visit us together with your orthopedic technician to provide us with the required detailed information regarding the fabrication of your prosthesis. We will make a mold of your stump and another one of your sound side. For the cosmetic appearance of the prosthesis, an individual determination of your skin color is carried out. Using this information, a test prosthesis is fabricated by Otto Bock. The finished test prosthesis is delivered to your orthopedic technician and given to you for trial fitting and testing in everyday life. Shape, compression and adhesion of the prosthesis can now be checked.

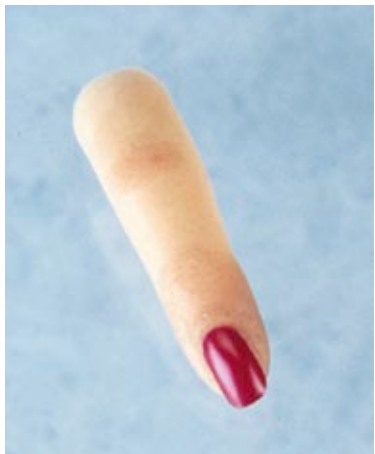
The test prosthesis should be worn until the stump conditions are stable and until you have gotten accustomed to using the prosthesis. Any necessary changes can be easily implemented. If the test prosthesis meets your demands for comfort, functionality and shape, then the final prosthesis will be fabricated by Otto Bock.



Customized Care with Silicone Products

Silicone Finger Prosthesis

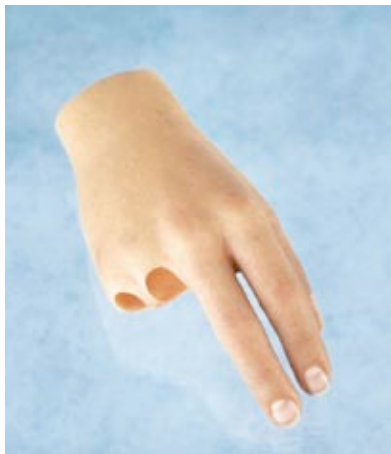
Silicone finger prostheses can be fitted on a remaining stump length of 2 cm or more. Proper fixation of the prosthesis at the stump results in a better functional fitting. Visual details play an important role in the fabrication of finger prostheses. The intention here is to make the prosthesis look as real as possible. This can be done with silicone: Color and form are based on your personal appearance and are recreated in painstaking detail. Customized finger nails are used as a special detail. Finger nails made of acrylic have an advantage over silicone in that they can be painted.





Silicone Partial Hand Prosthesis

If the hand has been amputated in the area of the metacarpophalangeal joints or the metacarpus, then a partial hand prosthesis is used. The prosthesis blends in naturally and harmoniously. The elasticity of the silicone allows the wearer to pull the prosthesis on and off easily. And because the material is translucent and tear-resistant, a smooth as well as custom-colored almost invisible transition can be made to the skin. The flexibility and functionality of the remaining fingers are not affected thanks to the thin edges. The prosthesis can be made even more natural looking by adding freckles and veins.



Customized Care with Silicone Products

Customized Silicone Cosmetic Cover for Upper Limb Prostheses

Silicone cosmetic covers for arm prostheses can be individually colored to create a more natural look. Another benefit of silicone covers is that they don't get as dirty as PVC cosmetic gloves. The cosmetic silicone cover can be easily washed with soap and water. Acrylic finger nails make the appearance complete.





Silicone Toe Prosthesis

Optimal care for the foot not only contributes to the restoration of the natural form and shape, it also restores mobility to the greatest possible extent. The goal of this fitting is to distribute the pressure correctly in order to avoid an overstraining of the foot at a certain spot and to restore a natural gait pattern.

Furthermore, incorrect positioning of the remaining toes can be prevented to a large extent. As with the finger prostheses, the toe prostheses can also be colored and formed to look as natural as the original body part.



Customized Care with Silicone Products

Silicone Partial Foot Prosthesis

The partial foot prostheses from Otto Bock are functional and attractive. The main focus is to have a balanced distribution of pressure and to improve the gait pattern. Optimal fixation on the residual limb prevents skin irritation. The cosmetic appearance completes the fitting. Walking barefoot as well as with store-bought shoes with different heel heights is also possible.



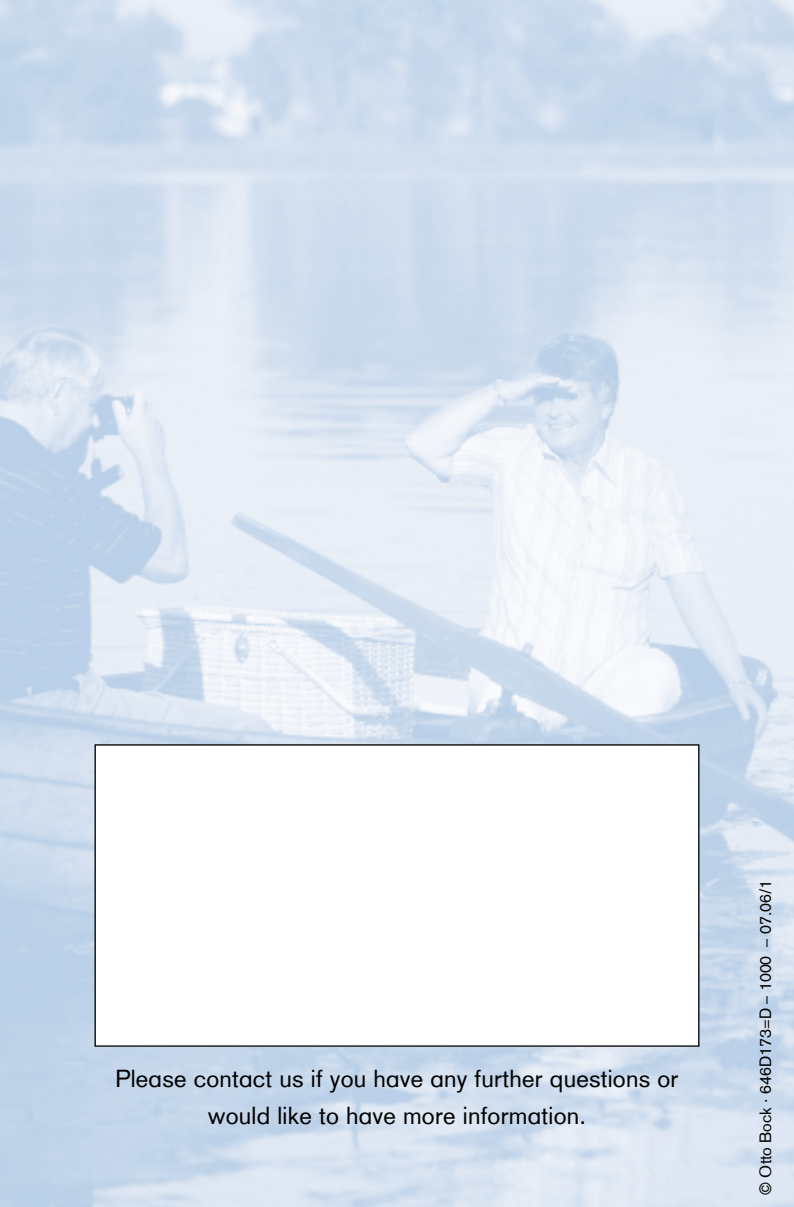


Silicone Cosmetic Cover for Lower Limb Prostheses

Leg prostheses get a natural look with silicone cosmetic covers which are customized to match the natural appearance of sound limbs. In addition, hair and acrylic toe nails can be integrated into the cosmetic cover. The cosmetic cover is easy to clean and to take care of.



▶ For further silicone products, please refer to the Otto Bock Service Fabrication Catalog.



Please contact us if you have any further questions or would like to have more information.

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