

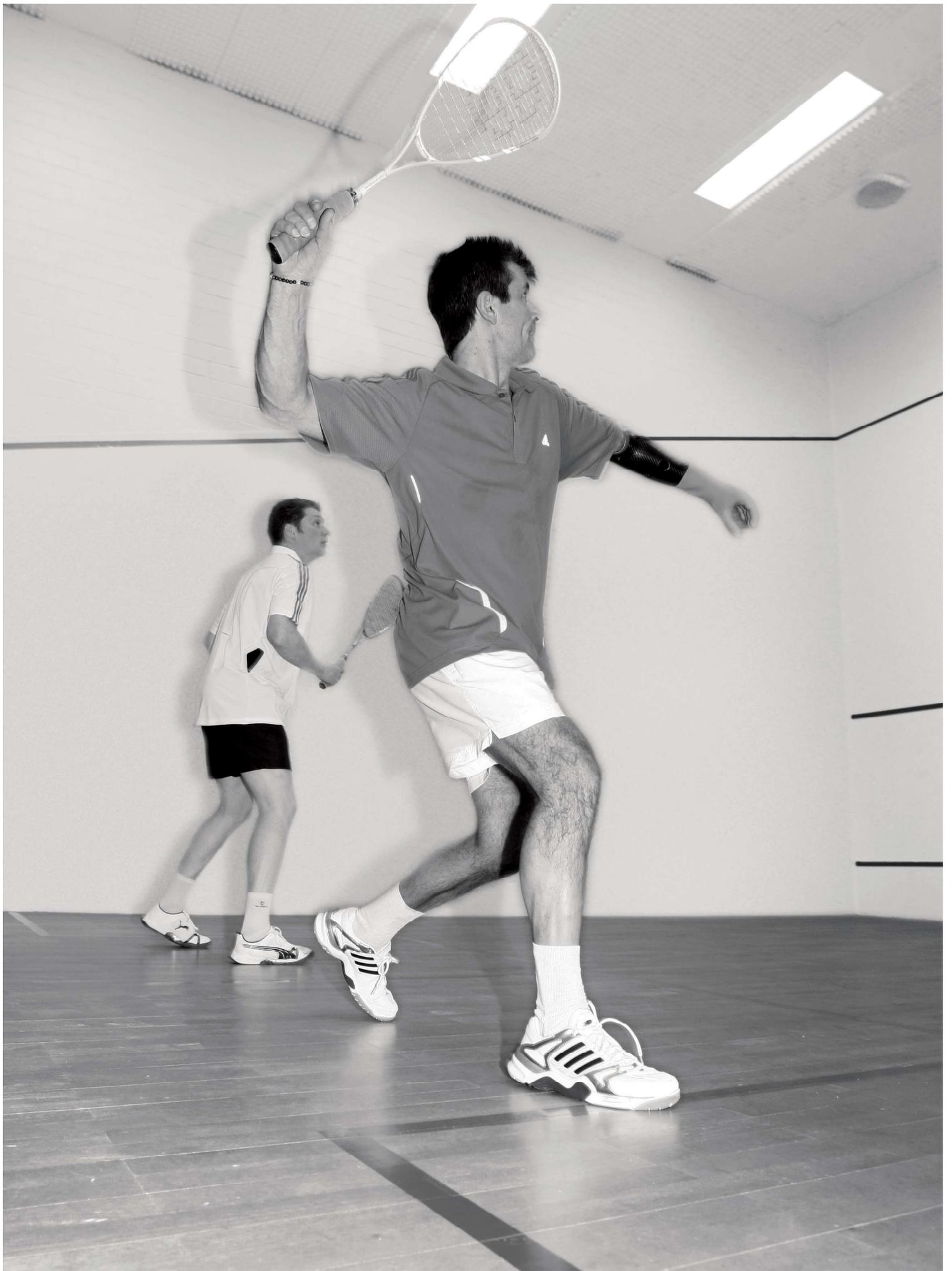
ottobock.

SiOCX TR sockets

For transradial amputations



Quality for life



SiOCX TR prosthetic socket

The requirements for prosthetic fittings and hence for the prosthetic socket as the interface between human and medical device are increasing.



The innovative combination of high-tech materials in the new SiOCX TR socket results in significant improvements in terms of wearer comfort, flexibility, adhesion and custom residual limb socket technology.

The SiOCX TR socket consists of an HTV silicone inner socket in combination with a carbon prepreg outer socket and features a low weight with incomparable comfort.



SiOCX TR

- HTV medical-grade silicone inner socket
- Carbon prepreg and Dyneema prepreg outer socket



For many amputees a prosthesis is essential both at work and during their free time. The objective of every fitting is to compensate for lost or limited physical functions with the help of a technology solution that is as functional and visually unobtrusive as possible. However, in addition to the functional characteristics, the prosthetic socket also determines the success of the prosthetic fitting.

SiOCX TR

advantages

With the SiOCX TR socket, Ottobock provides an opportunity to establish a new fitting standard in terms of socket comfort for upper extremities.

The SiOCX TR socket is suitable for all transradial prosthetic fittings, especially for patients who highly value comfort and hygiene. Thanks to improved residual limb adhesion and the soft silicone material, fittings for residual limbs that are short or sensitive to pressure do not pose a problem.

Functionality

The use of HTV silicone in the inner socket ensures excellent adhesion of the socket to the residual limb. The inner socket itself is securely screwed to the stable carbon prepreg outer socket. This enhances the functionality of the fitting in terms of prosthesis control as well as the level of security perceived by the user. A donning aid makes the prosthetic socket easy to put on.

Hygiene

The comfortable HTV silicone socket features skin-friendly characteristics. Medical-grade silicone of the highest documented purity is used. The material is breathable and hypoallergenic and can be sterilised through immersion in boiling water. The socket can be cleaned regularly simply with soap and water.

Comfort

Use of silicone with varying degrees of hardness as well as integrated gel cushions enhances wearer comfort, even for sensitive areas of the residual limb. The soft socket brim also increases the range of motion of the residual limb and makes it easier to master everyday challenges. Thanks to the flexible ulna opening in the carbon outer socket the residual limb can adjust when the arm is resting on something or during movement. This makes the prosthesis comfortable to wear, even for extended periods of time.



SiOCX TR myoelectric fittings

Myoelectric contact surfaces

For myoelectric fittings Ottobock additionally provides the possibility of integrating conductive silicone myoelectric contact surfaces into the HTV inner socket. The inlays permit the transmission of myoelectric signals directly through the silicone socket to the electrodes. The positions of the myoelectric contact surfaces can be freely selected. The enclosed socket facilitates cleaning. The electrodes no longer contact the skin directly so that skin irritation and accumulation of dirt are reduced. Perspiration is also kept away from the electrodes, thereby preventing corrosion damage to the electrical and mechanical components.

Medical/technical functions

- Easy-to-clean socket system with sterilisable inner socket
- Dermatologically tested material
- High surface adhesion for very good fixation to the residual limb
- Flexible socket brims that adapt to movements
- The gel padding and the flexible ulna opening in the outer socket enhance wearer comfort
- Myoelectric contact surfaces protect electrical components

Advantages for the user

- Improved prosthesis fit due to increased surface adhesion
- Adaptation of the socket to arm movements thanks to the soft socket brim and flexible socket regions
- Protection of sensitive residual limb areas with gel cushions
- Prosthesis is easy to clean with soap and water
- Improved hygiene and comfort

Ordering procedures

Information about the ordering process for SiOCX TR/TR Flex

For ordering please send the following to Service Fabrication in Canada:

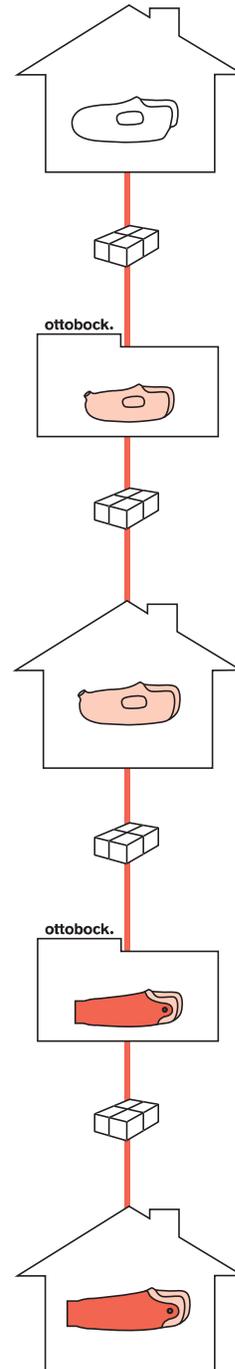
- the completed order form
- a well-fitting trial prosthesis (a well-fitting check socket along with a fitting frame with wrist unit attached at the proper alignment and length)
- positions of the electrodes, gels (location, thickness and size) and attachment points clearly marked on the socket
- any componentry required for assembly

Once the order is received, a technician will contact you to confirm all the details.

The individual HTV silicone inner socket is fabricated according to the information provided. The forearm will be shaped to accommodate the componentry and the prepreg forearm shell will be fabricated.

After 15 business days you will receive the following:

- the definitive SiOCX TR socket comprising a silicone inner socket, a carbon prepreg outer socket and a silicone covering (if ordering the SiOCX TR FLEX)
- componentry assembled (if requested on the order form and provided)



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