



“My prosthesis does a great job supporting me day in day out.”

Reyhan

For further information, please contact

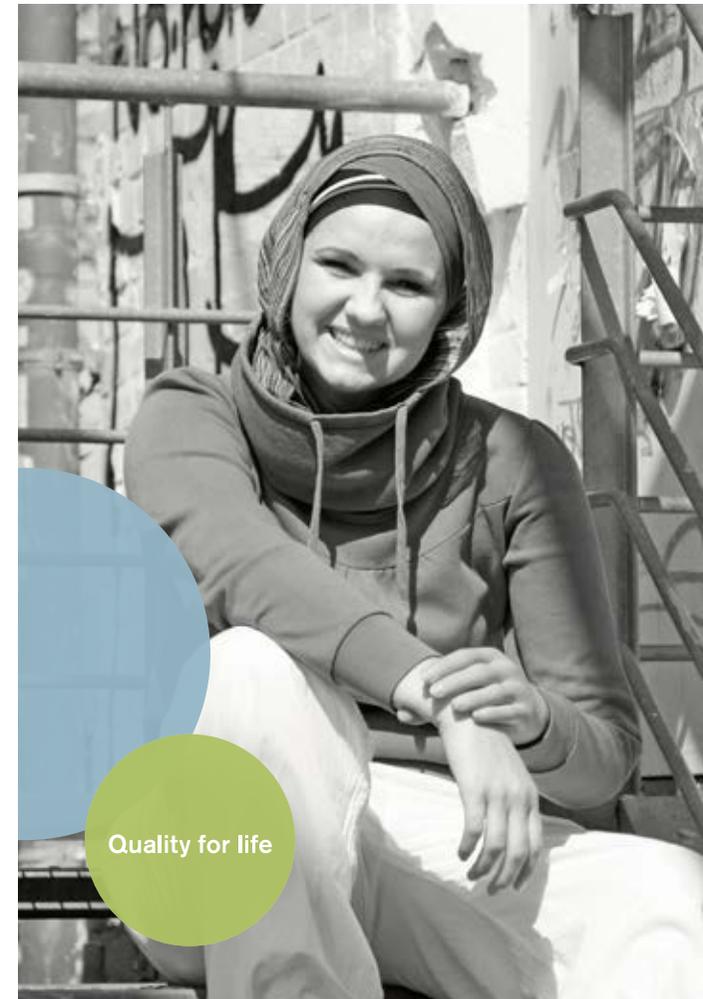


www.ottobock.com

ottobock.

The MyoFacil below elbow prosthesis

Muscle signals allow you to control your prosthesis



© Ottobock · 646F-477-DE-01-1502

Our hands are of great significance in everyday life

With our hands we are able to grasp, hold, lift and move objects. They are unique as they enable us not only to handle objects, but to communicate non-verbally. The myoelectric below elbow prosthesis allow you to recapture many functions – considered to be lost.

This is how MyoFacil works

It's up to you to control your MyoFacil prosthesis via muscle signals. The signals may be detected on the skin's surface while you are contracting certain lower arm muscles. Sensors embedded in the socket – known as electrodes – identify and convert those signals in order to control the electric drive that is responsible for moving (opening/closing) the hand. Targeted training will teach you how to control the hand effectively.

Inner socket

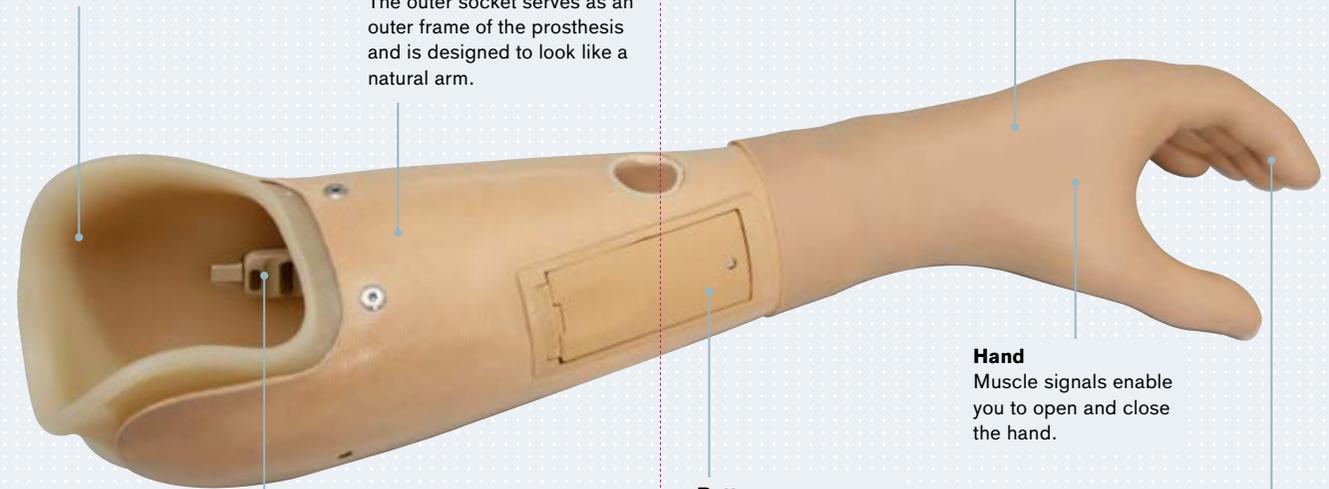
The inner socket is created according to an individual plaster cast. It serves to connect the prosthesis with your body.

Outer socket

The outer socket serves as an outer frame of the prosthesis and is designed to look like a natural arm.

Hand switch / Hand control

The hand may be turned on/off by a sliding switch – no matter how far the prosthetic hand has opened up at that stage.



Electrodes

The electrodes are able to identify minor electric currents (created while moving your muscles) and convert them into signals usable to control the prosthesis.

Battery

The battery provides energy for the electric drive embedded in the prosthesis.

Hand

Muscle signals enable you to open and close the hand.

Glove

The glove covers the hand not only to reduce external soiling, but to add a more natural appearance.

Who is eligible for MyoFacil?

MyoFacil is suitable for you if ...

- you are a below elbow amputee (above elbow fittings are possible by expanding the system)
- you are an adult or a fully grown teenager
- your skin is intact (to be determined by a physician) in order to generate 1–2 muscle signals
- you are self-responsible to a great extent
- you are planning to go back to work or start an education

What are the benefits of a MyoFacil prosthesis?

- More individual independence enhances the quality of life
- Positive impact on self-confidence due to a more natural appearance
- Lesser need for compensation movements allowing more natural movement patterns
- Prevention of spine damages by maintaining the body symmetry and body balance
- Increased quality of life due to potential decline of phantom limb pain