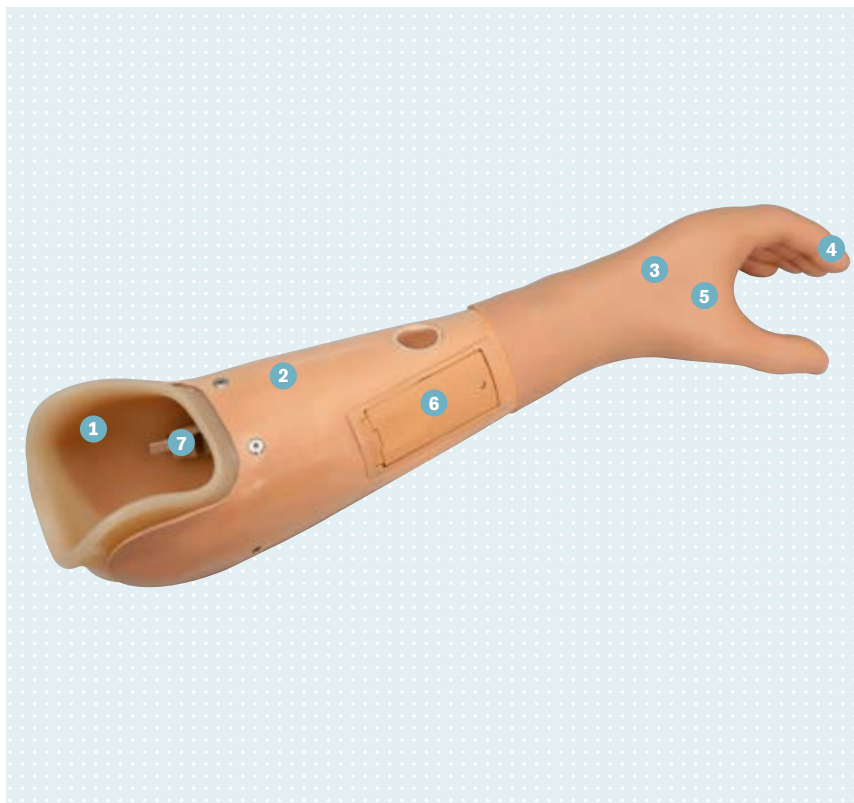


# MyoFacil

## A solid myoelectric fitting

- 1 Inner socket**  
The inner socket is fabricated according to an individual plaster cast. It connects the prosthesis to the body.
- 2 Outer socket**  
The outer socket is the external frame of the prosthesis. The shape is modelled after a natural forearm.
- 3 Hand switch**  
The hand can be switched on and off with a slide switch, no matter how far it is currently opened.
- 4 The glove**  
covers the hand to keep out dirt, and gives the forearm prosthesis a natural appearance.
- 5 Hand**  
You open and close the hand with your own muscle signals.
- 6 Rechargeable battery**  
The battery supplies energy to the electrical drive integrated in the prosthesis.
- 7 The electrodes**  
recognise the minimal electrical currents from your muscle movements and convert them into signals to control the prosthesis.



The MyoFacil prosthetic hand system is best suited for an initial myoelectric fitting. It constitutes a solid basic fitting and provides a great deal of freedom of movement. Users, who were previously fitted with a passive prosthetic hand system, appreciate the newly discovered flexibility. The prosthetic hand opens and closes through muscle signals, so that gripping and holding objects becomes easy. It is particularly well suited for household and office activities.

### Patient benefits of the MyoFacil prosthesis <sup>1</sup>

- Increased comfort
- More natural, cosmetic appearance
- Higher range of motion (and/or)
- Less compensatory motion needed to execute activities of daily living
- Reduction of phantom limb pain due to the intensive prosthetic use
- Easier social interactions (office related jobs, contact with general public)

## Technical Data

Components	Technical Specifications
<ul style="list-style-type: none"> <li>• Digital Twin Hand 8E41=7 or Digital Hand 8E41=7-D</li> <li>• Pull in tube PVC 99B13=21</li> <li>• EnergyPack 757B20</li> <li>• Battery mounting set 757Z184=1</li> <li>• Battery connection cable 13E188=200</li> <li>• Charger 757L20</li> <li>• Electrode Cable 13E129=G300</li> <li>• Electrodes 13E200=60</li> <li>• Switch block 13E190=150</li> <li>• Wrist unit 10V18=40 / 50</li> </ul>	<ul style="list-style-type: none"> <li>• Opening width: 100 mm</li> <li>• Gripping force (approx. maximum): 90N</li> <li>• Average speed: 110 mm/sec</li> <li>• Static current: 1 mA</li> <li>• Operating temperature: 0-70 ° C</li> <li>• Battery: Light-weight Lithium-Ion</li> </ul>

<sup>1</sup> Carey SL, Lura DJ, Highsmith MJ. Department of Mechanical Engineering, University of South Florida, Tampa, FL. Differences in myoelectric and body-powered upper-limb prostheses: Systematic literature review Journal of Rehabilitation Research & Development 2015; 52(3):247-262.