

Prosthetic gloves for the Michelangelo hand

Innovative, impressive – simply convincing

Quality for life



Prosthetic gloves

Simply individual.

The prosthetic glove is of vital importance for the user – and it's the first part of the prosthesis that others notice. The glove also protects the mechanics of the hand from moisture, dirt and dust and gives the user greater confidence when using the prosthesis. The key requirements and needs vary greatly from user to user.

A total of four premium AxonSkin prosthetic gloves with varying characteristics are available for the Michelangelo hand. The user can therefore choose between different prosthetic gloves – tailored to their individual needs and preferences, and optimised for their lifestyle: either more inconspicuous and natural looking, or eye-catching. AxonSkin gloves offer the right solution for every requirement.



The comparison – PVC and silicone prosthetic gloves

PVC	Silicone
Durability <ul style="list-style-type: none"> PVC has good mechanical strength and good durability; if the material tears, PVC is more resistant to further tearing and barely shows abrasion in comparison to silicone 	Durability <ul style="list-style-type: none"> Silicone has lower mechanical strength; if the material tears, silicone is less resistant to further tearing and suffers from higher abrasion in comparison to PVC (rubber effect)
Temperature dependence <ul style="list-style-type: none"> PVC can harden slightly at lower temperatures due to reducing elasticity 	Temperature dependence <ul style="list-style-type: none"> Silicone does not exhibit any changes or reduced functionality at low temperatures in contrast to PVC
Surface properties <ul style="list-style-type: none"> PVC makes it easier to put on and take off clothes in comparison to silicone, the surface is not sticky – textiles, fibres, hairs and dust do not adhere to the surface 	Surface properties <ul style="list-style-type: none"> Silicone has a stickier surface than PVC. Putting on and taking off clothes is more difficult. Textiles, fibres, hairs and dust adhere quickly and firmly to the surface
Soiling/cleaning <ul style="list-style-type: none"> PVC is generally more susceptible to soiling and is more difficult to clean in comparison to silicone 	Soiling/cleaning <ul style="list-style-type: none"> Silicone is only slightly susceptible to soiling and has better cleaning properties than PVC Oils and solvents found in paints can cause the silicone to swell and permeate the silicone 640F12 special cleaner should not be used on silicone

● AxonSkin Natural gloves

- The special outer layer reduces susceptibility to soiling and makes cleaning easier
- Take extra care with ballpoint pen ink, printing ink (newspapers, photocopies) and dark, unwashed textiles
- If dyes have migrated into the PVC, cleaning is no longer possible
- Daily cleaning with water and soap
- If soap and water are insufficient:
 - Use 640F12 special cleaner with 640F13 pump sprayer
- Proper use of the cleaner is essential!
 - In case of soiling, the special cleaner should be used immediately: spray cleaner on, give it a moment to take effect, then wipe off the dirt by applying moderate pressure with a clean, undyed cloth. Rinse with water and dry.
 - Important: do not leave the cleaner to take effect for too long, and do not use force or too much pressure to remove the dirt

● AxonSkin Silicone gloves

- Daily cleaning with water and soap
- 640F12 special cleaner should not be used on silicone products
- However, if dyes have been absorbed by the silicone, cleaning is no longer possible

● For all AxonSkin prosthetic gloves:

Please observe the care and cleaning instructions.



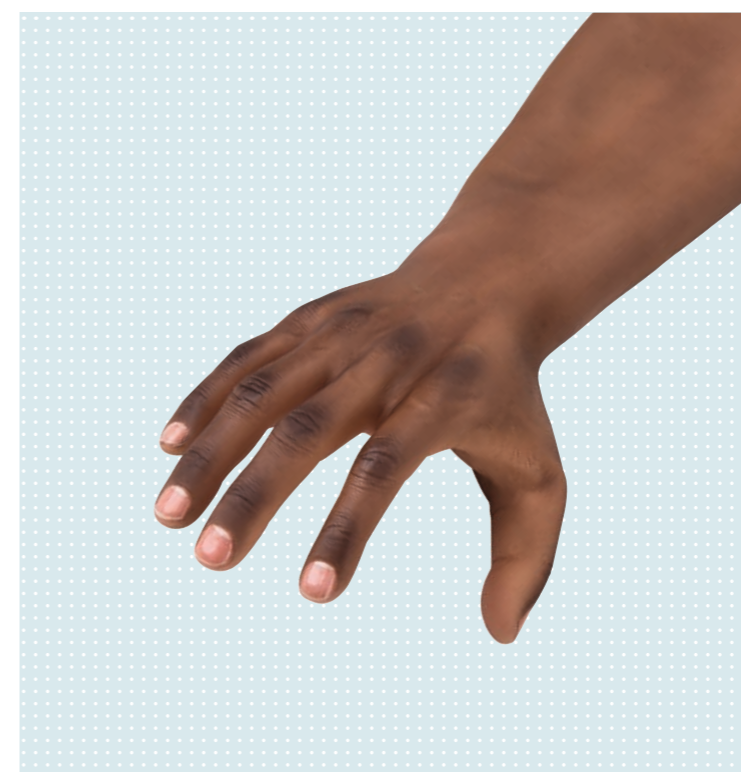
AxonSkin Natural

Naturally beautiful.

The AxonSkin Natural impresses with a highly natural look and unique aesthetics; it is also very robust and remains durable over a relatively long period. A special finish makes it considerably more resistant to soiling and easier to clean. Hand-drawn details such as veins, knuckles and fingernails make the glove look like a natural hand. Deceptively real.

Characteristics

- Material: multilayered PVC
- Good mechanical strength, good durability, robust, does not tear easily, resists abrasion
- Special outer layer for reduced susceptibility to soiling and easier cleaning
- Special inner layer for improved functionality/ interaction between hand, hand shell and glove
- Long sleeve length for an integrated covering up to the elbow
- Highly natural thanks to the hand-coloured replication of the fingernails, veins and knuckles and the addition of coloured fibres – slight deviations possible
- The fingernails can be painted with standard nail polish, which should only be removed with acetone-free nail polish remover
- Versions available for men and women
- Colours: available in seven colours (646M47 colour sample set)
- Dark colours (8, 11, 14 and 16) with lighter palm, highly natural
- Clean with 640F12 special cleaner and 640F13 pump sprayer



Technical data

Article number	8S501=* (men), 8S502=* (women)			
Side	Right (R), left (L)			
Size	M			
Colour	2, 4, 6, 8, 11, 14, 16			

Order example

Article number	Side	Size	Colour
8S501	= R	- M	16

AxonSkin Visual

Visibly different.

The translucent glove highlights the fascinating design of the Michelangelo hand. Specific zones on the fingertips and palms improve the grip. A confident style.



Characteristics

- Material: PVC
- Good mechanical strength, good durability, robust, does not tear easily, resists abrasion
- Special outer layer for reduced susceptibility to soiling and easier cleaning
- Special inner layer for improved functionality/interaction between hand, hand shell and glove
- Long sleeve length for an integrated covering up to the elbow
- Unisex design
- Colour: translucent; making the Michelangelo hand visible
- Clean with 640F12 special cleaner and 640F13 pump sprayer

Technical data

Article number	8S500=* (unisex)
Side	Right (R), left (L)
Size	M
Colour	0

Order example

Article number	Side	Size	Colour
8S500	= L -	M	0

AxonSkin Black

Simply eye-catching.

AxonSkin Black! This unusual prosthetic glove, entirely in black, is a real eye-catcher. Specific zones on the fingertips and palms improve the grip. Striking.



Characteristics

- Material: PVC
- Good mechanical strength, good durability, robust, does not tear easily, resists abrasion
- Special outer layer for reduced susceptibility to soiling and easier cleaning
- Special inner layer for improved functionality/interaction between hand, hand shell and glove
- Long sleeve length for an integrated covering up to the elbow
- Unisex design
- Colour: matte black, Michelangelo hand is not visible
- Clean with 640F12 special cleaner and 640F13 pump sprayer

Technical data

Article number	8S500=* (unisex)
Side	Right (R), left (L)
Size	M
Colour	20

Order example

Article number	Side	Size	Colour
8S500	= L -	M	20

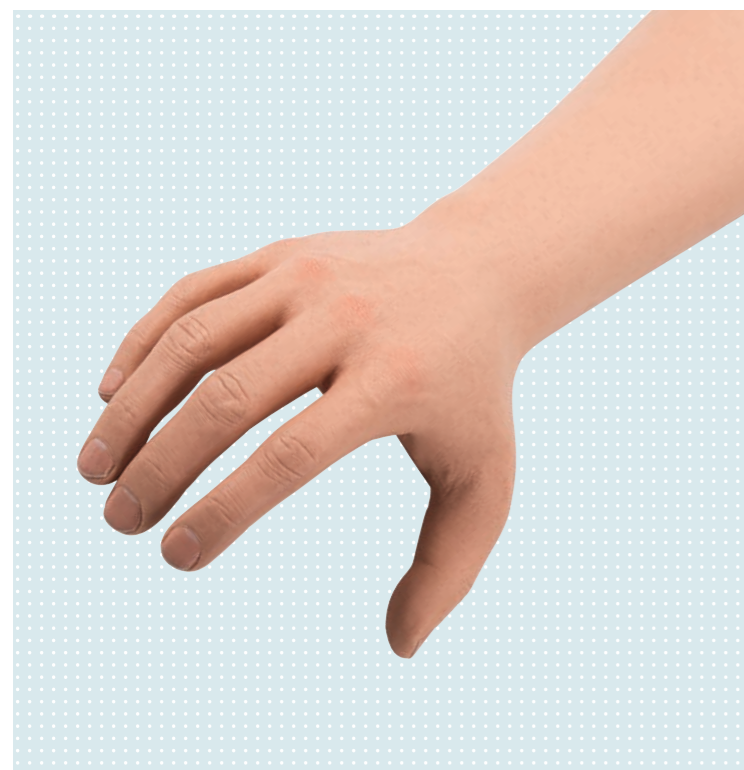
AxonSkin Silicone

Made tough for everyday life.

Premiere: the first silicone glove for the Michelangelo hand. The AxonSkin Silicone is very low maintenance and is highly resistant to soiling. Simple cleaning with soap and water is usually sufficient. Practical.



674M72 AxonSkin Silicone glove swatch
(color spectrum light to dark: 2, 4, 6, 8, 10, 12, 14)



Characteristics

- Material: multilayered silicone
- Low soiling, easy cleaning, not sensitive to low temperatures (no loss of functionality)
- Lower mechanical strength compared to PVC, more susceptible to cuts, lower resistance to tear propagation, higher abrasion
- Special inner layer for improved functionality/interaction between hand, hand shell and glove
- Long sleeve length for an integrated covering up to the elbow
- Very good fit, low wrinkling
- Highly natural thanks to the hand-coloured replication of the fingernails, veins and knuckles – slight deviations possible
- Fingernails cannot be painted with nail polish
- Friction-reducing coating on the back of the hand and extended onto the arm makes it easier to get into the sleeves of jackets, sweaters etc.
- Available in versions for men and women

Technical data

Article number	8S511=* (men), 8S512=* (women)
Side	Right (R), left (L)
Size	M
Colour	2, 4, 6, 8, 10, 12, 14

Order note

Article number	Side	Size	Colour
8S511	= L	- M	4

Note:
Silicone gloves only available for the Michelangelo hand with new hand shell.

• 640F12 special cleaner should not be used on silicone!



AxonSkin gloves

Donning

AxonSkin gloves must be donned quickly and without interruptions. Make sure the mounting tools and aids are positioned directly next to the oven and ideally positioned in the technician's working area. The alignment rod and the mounting tool are locked in the correct position and at the correct height before commencing work. If necessary, a stepladder should be made available for the technician. If the glove is too long, it should be shortened to the height of the elbow before heating it in the oven (page 8, figure 2). Any further shortening of the glove required by the user's individual socket condition should only be performed as a separate step after the donning process has been completed.

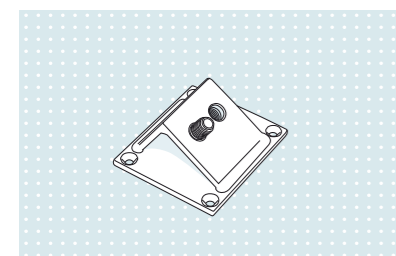
Components

- 1 × 711M64 mounting tool and 1 × 711M1 alignment rod
- 1 × 711M114 donning sphere and 1 × 711M1 alignment rod
- 640F18 donning spray

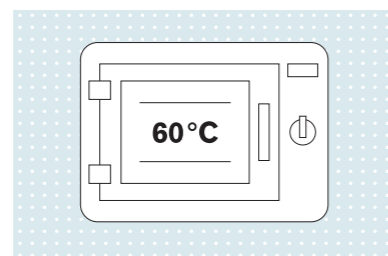
To fasten the alignment rod:

- If necessary, 711M2 mounting plate(s) or vice/worktop

• Heating and stretching is not required with silicone.



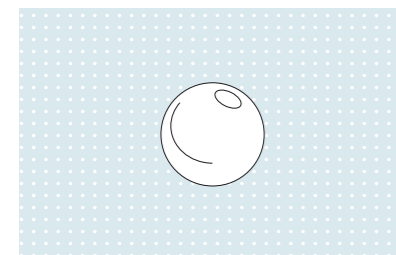
• 711M2 Mounting plate



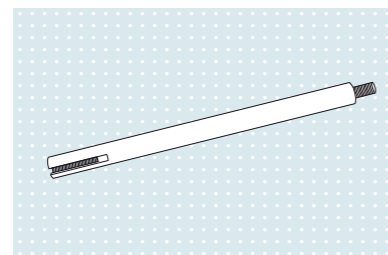
• Oven



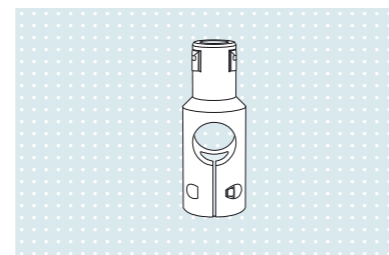
• 640F18 Donning spray



• 711M114 Donning sphere



• 711M1 Alignment rod



• 711M64 Mounting tool

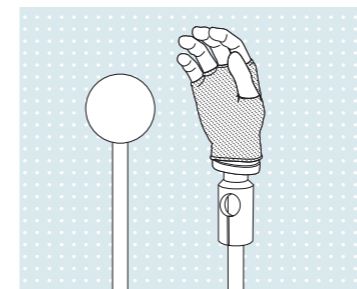
AxonSkin gloves

Donning procedure.

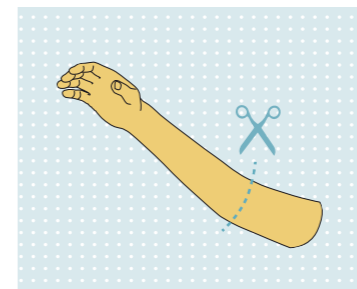
• Note: Steps 2–7 are not required for AxonSkin Silicone gloves.

A key condition when putting on the AxonSkin glove is that the glove is still warm during the process. Components must therefore be laid out ready and the whole procedure must be carried out without delays.

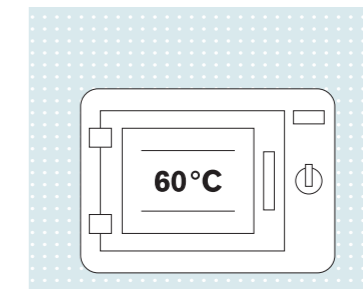
The prosthetic hand must be in Neutral Mode before putting on the glove, the wrist joint must be locked, and the textile intermediate glove (if included in the scope of delivery) must already be donned.



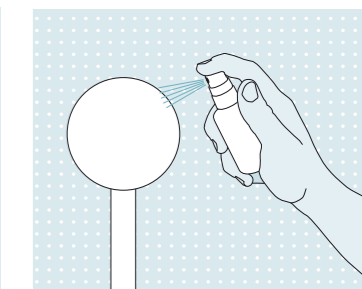
- 1 Necessary preparations:
- The prosthetic hand must be in Neutral Mode; wrist joint must be locked
 - Preheat oven to 60 °C
 - Lay out the components



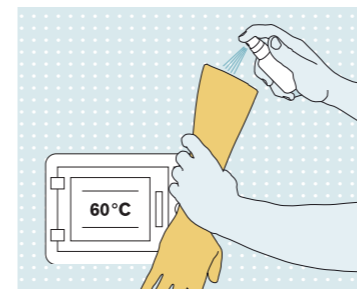
- 2 Shorten the AxonSkin glove at the location with the largest diameter = elbow height



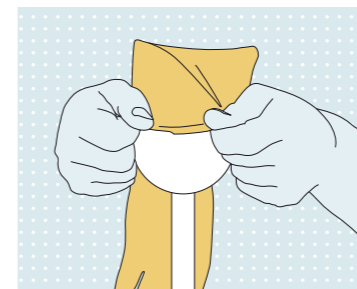
- 3 Place the AxonSkin glove in the oven at 60°C for 10–15 minutes
- Higher temperatures may damage the special coating. Do not use hot air!



- 4 Spray the sphere with donning spray before taking the AxonSkin glove out of the oven



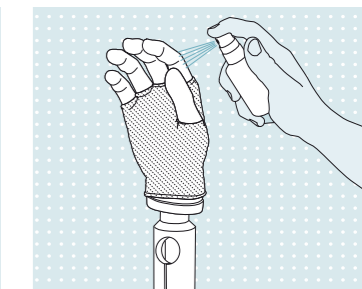
- 5 Take the AxonSkin glove out of the oven and spray the inside with sufficient donning spray
- Only use Ottobock donning spray (no silicone spray)



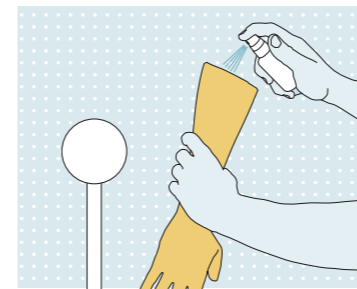
- 6 Pull the AxonSkin glove over the sphere while it is still warm
- Note the position (see 7)!



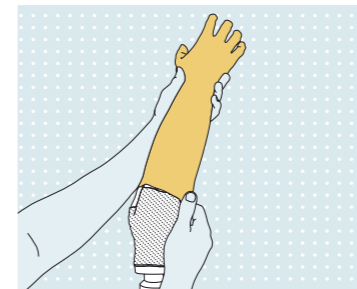
- 7 Position the glove on the sphere at the height of the wrist
- Stretching once briefly is sufficient; leave the AxonSkin glove on the sphere for max. 20 seconds



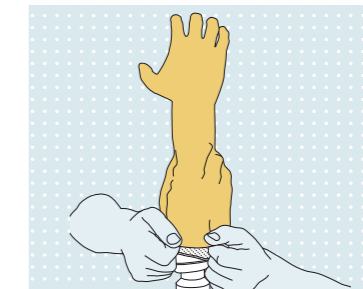
- 8 Spray all fingers with sufficient donning spray
- Exception: textile glove



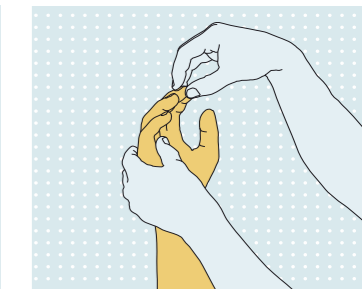
- 9 Remove the AxonSkin glove from the sphere and spray the inside again with donning spray



- 10 Put the AxonSkin glove on the prosthetic hand and align it



- 11 Hold the AxonSkin glove at the sleeve end and pull it over the prosthetic hand in one movement
- Avoid mechanical loads (tension or pressure) on the thumb at all costs!



- 12 Adjust the AxonSkin glove so it fits the prosthetic hand properly

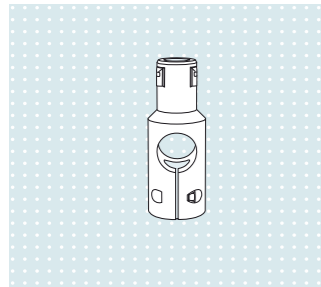
AxonSkin gloves

Removal.

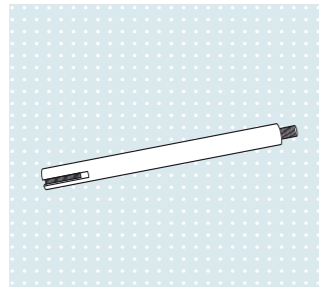
When removing the AxonSkin prosthetic glove, ensure that the thumb is exposed to as little mechanical loading as possible. A distinction must therefore be made between option 1 and 2.

• Horizontal fastening of the alignment rod makes it easier to pull off the glove

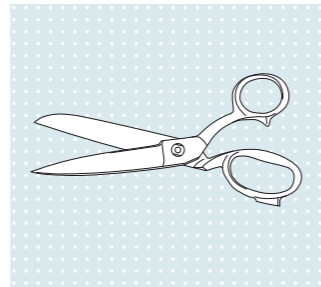
Components



711M64 Mounting tool



711M1 Alignment rod

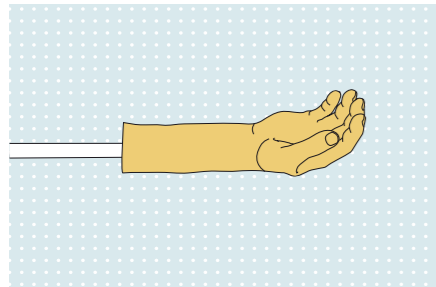


Scissors
(only use with option 1)

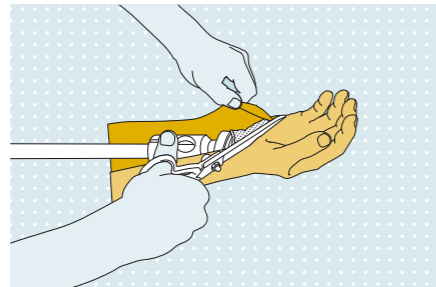


640F18 Donning spray

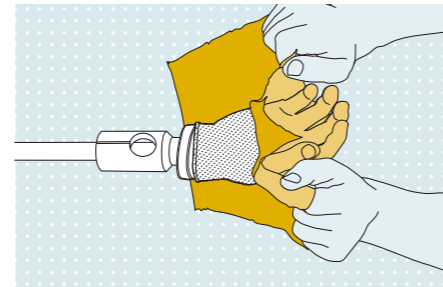
Option 1: No further use of the glove



1 Required preparation:
The prosthetic hand must be in Neutral Mode, the wrist joint must be locked

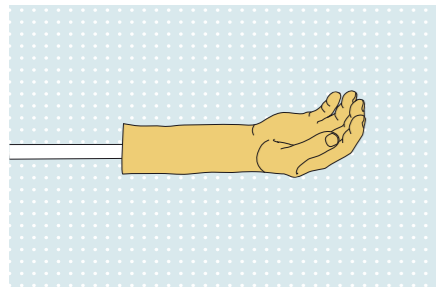


2 Carefully cut open the glove on the inside
• Do not damage the hand shell!

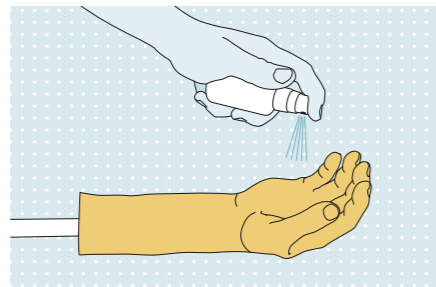


3 Pull the sleeve apart as far as possible and remove

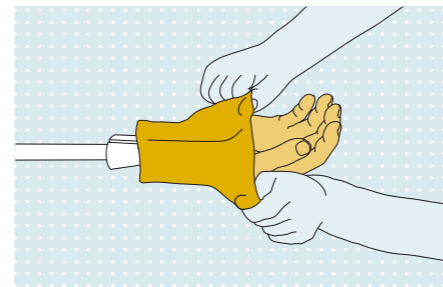
Option 2: Further use of the glove



1 Required preparation:
The prosthetic hand must be in Neutral Mode, the wrist joint must be locked



1 Required preparation:
Moisten the outside of the glove with donning spray



2 Hold the sleeve end and remove
• Avoid mechanical loads (tension or pressure) on the thumb at all costs!

Accessories

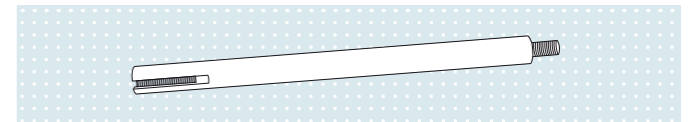
711M64 Mounting tool for Michelangelo hand

The 711M64 mounting tool was developed especially for the Michelangelo hand and should only be used for donning and removing the AxonSkin glove. The Michelangelo hand is locked with the help of the 711M64 mounting tool and 711M1 alignment rod in order to apply and remove the prosthetic glove. The mounting tool is essential for protecting the mechanics of the Michelangelo hand, and only one is required per customer.



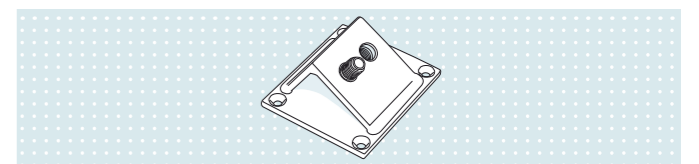
711M1 Alignment rod

One side with M12x1.5 outer thread for prosthetic hands and the other side with M12x1.5 inner thread for Ottobock System Electric Hands and the Michelangelo hand.



711M2 Mounting plate

Mounting plate to screw to workbench, for 711M1 alignment rod.



711M114 Donning sphere

The donning sphere was developed especially for the Michelangelo hand and is used to briefly stretch the AxonSkin glove during donning.



640F18 Donning spray

The donning spray for Ottobock prosthetic gloves is required for donning and removing the prosthetic glove (90 g net contents).



640F12 Special cleaner for Ottobock prosthetic gloves

If soap and water are insufficient: use 640F12 special cleaner. Proper use is essential! In case of soiling, the special cleaner should be used immediately: spray cleaner on, give it a moment to take effect, then wipe off the dirt by applying moderate pressure with a clean, undyed cloth. Rinse with water and dry. Take extra care with ballpoint pen ink, printing ink (newspapers, photocopies) and dark, unwashed textiles. If dyes have migrated into the PVC, cleaning is no longer possible. Container with 0.460 kg net contents.



640F13 Pump sprayer for special cleaner for Ottobock prosthetic gloves

The user should always keep a pump sprayer filled with special cleaner for Ottobock prosthetic gloves handy in order to be able to use the cleaner immediately in case of soiling. Container without contents (90 g net contents).





