ottobock.

Prosthetics 2024
Upper limb

Information for specialist dealers

Prosthetics 2024
Upper limb

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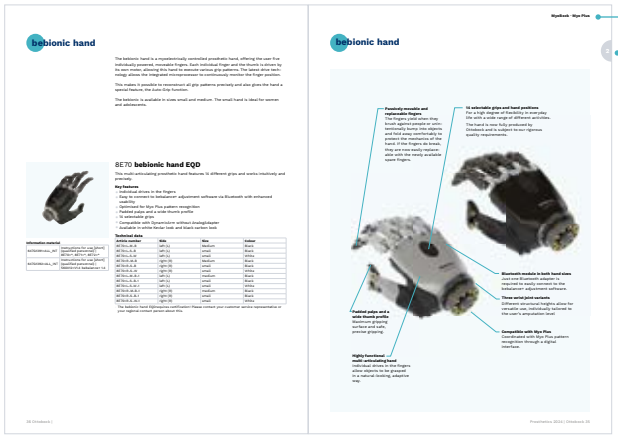
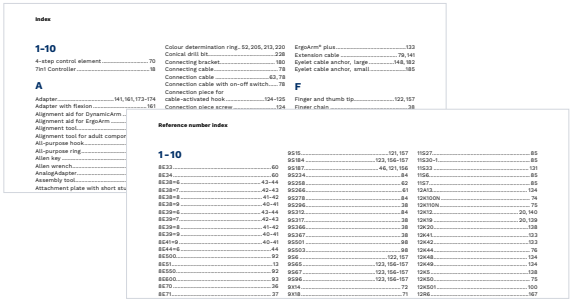
Searching, finding and ordering



This catalogue is organised into sections.

Tabs on the right-hand page margins as well as the subtitles at the top of every page also serve as quick and easy reference guides.



The list of keywords lists all products in alphabetical order. Alternatively, the index lets you find the page numbers for products by reference number.

iFab Customer Center
You can find the entire digital portfolio of custom products in the iFab Customer Center. The platform guides you through the ordering process quickly and easily.

You can reach the iFab Customer Center at: www.iFab-customer-center.com.

Additional catalogue

646K1 Materials
For more information or to place orders for products in the materials and tools category, please use the 646K1 Ottobock materials catalogue.

Illustration of product

Available information material

Name of product

Brief product description

Technical data for the product

Axon-Bus system · Axon-Bus terminal device

Information material

647G587=ALL_INT	Instructions for use [short] (qualified personnel) | 8E500 Michelangelo Hand
647H900=ALL_INT	Instructions for use (user) | Axon-Bus Prosthetic System
646D501=EN	Brochure for technicians – Michelangelo hand
646D593=EN	Therapy brochure – Michelangelo hand
646D591=EN_MASTER	Michelangelo hand – service pass

8E500 **Michelangelo hand**

The Michelangelo hand features a natural design, high gripping force and flexible wrist. The actively driven index and middle fingers along with the thumb that can be positioned electronically enable seven different hand positions.
The Michelangelo hand is controlled on the basis of the Axon-Bus system, which constitutes a self-contained data transmission system. The individual components are optimally matched and communicate perfectly with each other. This means there is no delay in the speed and functionality of the Michelangelo hand, and the prosthesis is safer and more reliable.

Key features

- Numerous gripping options
- Natural design
- Soft fingertips modelled after nature, down to the detail
- Natural flat oval wrist
- Flexible wrist minimises compensating movements
- Powerful main drive for high gripping force and speed
- Can be combined with the active AxonRotation
- Separately movable thumb

Technical data

Article number	Side	Size	User group
8E500=L-M	left	7 3/4	women, men, adults, mature adults
8E500=R-M	right	7 3/4	women, men, adults, mature adults

Operating voltage	11,1 V
Operating temperature	-10 to +60 °C
Opening width	120 mm
Gripping force in opposition mode	70 N
Gripping force in lateral mode	60 N
Gripping force in neutral mode	15 N
Grip speed	325 mm/sec
Weight	510 g

AxonSkin Natural gloves: Cleaning the glove with water and soap is recommended for daily care. A

Explanation of symbols

	Take your patient's measurements
	Enter the measurements on the measurement form
	Take photos of your patient
	You have an existing modified, unencrypted STL file from another source
	You will receive the finished product from Ottobock iFab
	Definitive prosthesis
	Version, inside
	Check socket for interim fitting
	Casting forms, positive/negative, well-fitting check socket or definitive socket as base product
	Trial prosthesis

Abbreviations

IFU	Instructions for use
TI	Technical information

Symbol explanations for hazardous materials

Hazard pictogram	Hazard class and hazard category
GHS02 Flame	Flammable gases, hazard category 1 Aerosols, hazard categories 1, 2 Flammable liquids, hazard categories 1, 2, 3 Flammable solids, hazard categories 1, 2 Self-reactive substances and mixtures, types B (+ pictogram GHS01), C, D, E, F Pyrophoric liquids, hazard category 1 Pyrophoric solids, hazard category 1 Substances and mixtures capable of self-heating, hazard categories 1, 2 Substances and mixtures that release inflammable gases in combination with water, categories 1, 2, 3 Organic peroxides, types B (+ pictogram GHS01), C, D, E, F Substances and mixtures that release inflammable gases in combination with water, hazard categories 1, 2, 3
GHS03 Flame over circle	Oxidising gases, category1 Oxidising liquids, categories 1, 2, 3 Oxidising solids, categories 1, 2, 3
GHS04 Gas cylinder	Gases under pressure: - compressed gases - liquefied gases - frozen liquefied gases - dissolved gases
GHS05 Corrosion	Corrosive to metals, category 1 Corrosive/irritating effect on the skin, categories 1A, 1B, 1C Severe eye damage/eye irritation, category 1
GHS06 Skull and cross-bones	Acute toxicity (oral, dermal, inhalation), categories 1, 2, 3
GHS07 Exclamation Mark	Acute toxicity (oral, dermal, inhalation), category 4 Irritating to skin, category 2 Severe eye irritation, category 2 Skin sensitisation, categories 1, 1A und 1B Specific target organ toxicity (one-time exposure), category 3 Respiratory sensitisation, category 3 narcotic effect Hazardous to the ozone layer, category 1
GHS08 Health hazard	Respiratory sensitisation, categories 1, 1A und 1B Germ cell mutagenicity, categories 1A, 1B, 2 Carcinogenicity, categories 1A, 1B, 2 Reproductive toxicity, categories 1A, 1B, 2 Specific target organ toxicity (one-time exposure), categories 1, 2 Specific target organ toxicity (repeated exposure), categories 1, 2 Aspiration hazard, category 1
GHS09 Environment	Hazardous to water - acutely hazardous to water: category akute 1 - hazardous to water, long term: categories chronic 1, 2
GHS01 Exploding bomb	explosive substances/mixtures and products with explosive materials: - Unstable, explosive - Subclasses 1.1, 1.2, 1.3, 1.4 Self-reactive substances and mixtures, type A Self-reactive substances and mixtures, type B (+ pictogram GHS02) Organic peroxides, type A Organic peroxides, type B (+ pictogram GHS02)

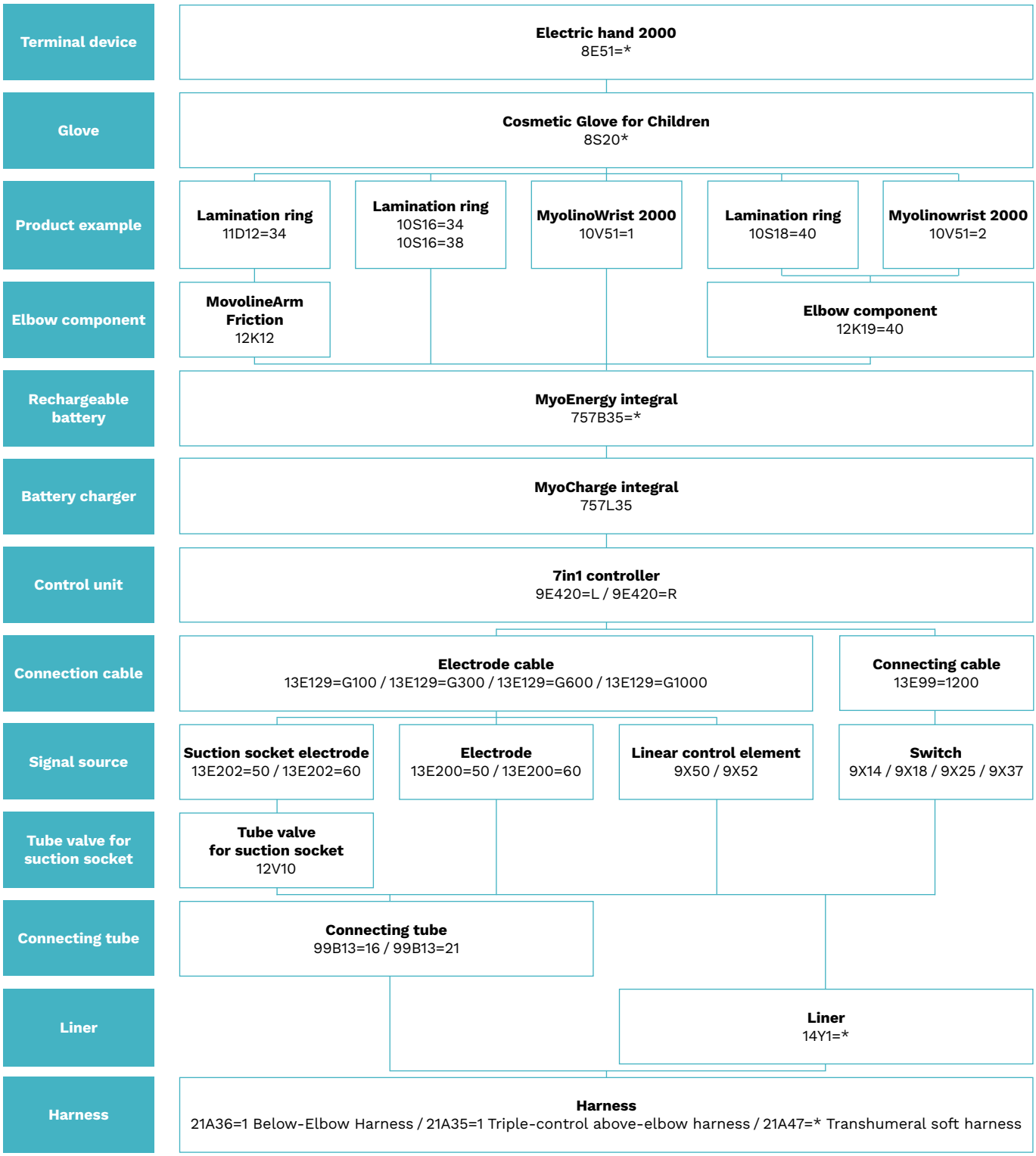
The printed symbols for hazardous materials in the catalog correspond to the hazardous material labeling at the time of printing. These refer to the raw materials and provide an indication of dangerous classified products. Subject to changes. You can find more information on the hazard warnings in the corresponding Ottobock safety data sheet, which is available on request.

Myolino

Exploring the world

Fittings for children have always represented a major medical technology challenge, because children have special requirements in terms of functionality, flexibility and mobility. This is why it is important to offer a system that meets the individual needs of various age groups while simultaneously preparing the child for treatment with an adult system in future. The innovative 7.4 volt system for children achieves these objectives. In combination with the Electric Hand 2000, the MyolinoWrist 2000 and the MyolinoSkin Natural gloves, it uses myoelectric components from the adult segment in order to establish the foundation for a flowing transition in the prosthetic treatment process. The 12K12 MovolinoArm Friction is the perfect complement to the Ottobock portfolio for upper arm prostheses in children aged 3 to 5 years.

Myolino.
Overview MyoBock fittings for children.



Information material

646D442=EN	Child system – brochure for technicians
647G1585=ALL_INT	Instructions for use (qualified personnel) | 8E51

8E51 **Electric hand 2000**

The Electric Hand 2000 is suitable for prostheses for children aged 1 ½ to 13 years and can be used for nearly all amputation levels. The thumb and fingers rotate around the same axis, resulting in a more compact rotation. The finger design makes it possible to use handwriting implements and cutlery in a largely natural manner.

Key features

- Better view of the object being grasped thanks to special gripping kinematics
- Low weight due to omission of an inner hand
- Various sizes, cosmetic gloves and control variants available
- Can be positioned in all directions in combination with the MyolinoWrist 2000 ball wrist (article no. 10V50) with adjustable friction
- Compensatory movements of the arm are largely avoided

Technical data

Article number	Side	Size	Gripping force	Opening width	Weight	Operating temperature
8E51=L5	left	5	8 N	28 mm	86 g	-5 to 45 °C
8E51=R5	right	5	8 N	28 mm	86 g	-5 to 45 °C
8E51=L5 1/2	left	5 1/2	25 N	37 mm	115 g	-5 to 45 °C
8E51=R5 1/2	right	5 1/2	25 N	37 mm	115 g	-5 to 45 °C
8E51=L6	left	6	35 N	52 mm	125 g	-5 to 45 °C
8E51=R6	right	6	35 N	52 mm	125 g	-5 to 45 °C
8E51=L6 1/2	left	6 1/2	35 N	58 mm	130 g	-5 to 45 °C
8E51=R6 1/2	right	6 1/2	35 N	58 mm	130 g	-5 to 45 °C

Operating voltage	4,8/7,4 V
Electric shut-off	400 mA
Average current consumption	200 mA

- Available in four sizes: – size 5 (for children aged 1 ½ to 3 years), size 5 ½ (for children aged 3 to 6 years), size 6 (for children aged 5 to 10 years) and size 6 ½ (for children aged 8 to 13 years)
- The Electric Hand 2000 requires certification! Please contact your customer service representative or your regional contact person about this.

Information material

647G468=ALL_ INT	Instructions for use (qualified personnel) | 8S4=*, 8S5=*, 8S6=*, 8S11=*, 8S12=*, 8S13=*, 8S20=*
647H1258=ALL_ INT	Instructions for use (user) | 8S4, 8S5, 8S6, 8S11, 8S12, 8S13, 8S20

Product example

8S20 **Cosmetic Glove for Children**

The standard prosthetic gloves for children are very robust and flexible thanks to the PVC base. Aside from 18 different skin tones, they are available in a choice of nine bright colours.

Key features

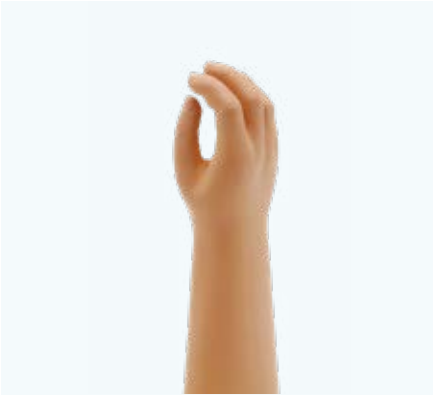
- Protects the Electric Hand 2000 against environmental influences such as dirt, dust and moisture
- Special PVC material, particularly robust and durable
- Durable and tear-resistant with minimal abrasion thanks to mechanical strength
- Modern appearance tailored to the needs of young users
- Suitable for girls and boys
- Easy to clean with special cleaner (article no. 640F12) and pump sprayer (article no. 640F13)
- Available in four sizes
- Available in 18 skin tones and nine bright colours

Technical data

Article number	Side	For hand size	Sleeve length	Metacarpal circumference	Middle finger length	Sleeve circumference
8S20=136X41L	left (L)	5	210 mm	136 mm	41 mm	200 mm
8S20=136X41R	right (R)	5	210 mm	136 mm	41 mm	200 mm
8S20=147X45L	left (L)	5 1/2	215 mm	147 mm	45 mm	260 mm
8S20=147X45R	right (R)	5 1/2	215 mm	147 mm	45 mm	200 mm
8S20=162X56L	left (L)	6	220 mm	162 mm	56 mm	210 mm
8S20=162X56R	right (R)	6	220 mm	162 mm	56 mm	210 mm
8S20=177X64L	left (L)	6 1/2	240 mm	177 mm	64 mm	220 mm
8S20=177X64R	right (R)	6 1/2	240 mm	177 mm	64 mm	220 mm

* Available in 18 different shades and nine new colours: black 20, red 25, orange 30, yellow 35, green 40, blue 45, dark blue 48, purple 50 and pink 55. The 646M79 colour scale helps to select the right sample.

- The entire colour palette of the Skin Natural is produced with six colours. The new 646M47 colour scale helps when selecting the right pattern.
- The colour sample set (article no. 646M3 skin tones and article no. 646M79 colourful hues) helps to find the right shade.
- The colour codes for the colourful hues are as follows: 20 (black), 25 (red), 30 (orange), 35 (yellow), 40 (green), 45 (blue), 48 (dark blue), 50 (purple), 55 (pink)
- Order example:8S20=136X41L4 (standard glove)8S20N=136X41L4 (MyolinoSkin Natural)



Information material

647G571=ALL_INT	Instructions for use (qualified personnel) | 8S4N=*, 8S5N=*, 8S6N=*, 8S11N=*, 8S12N=*, 8S13N=*, 8S20N=*
647H895=ALL_ INT	Instructions for use (patient) | 8S4N=*, 8S5N=*, 8S6N=*, 8S11N=*, 8S12N=*, 8S13N=*, 8S20N=*

8S20N **MyolinoSkin natural**

The MyolinoSkin Natural prosthetic glove for children features a highly natural appearance and improved cleaning characteristics in particular. The PVC-based material ensures that Skin Natural gloves are very robust compared to other materials, with a relatively long life.

Key features

- Multilayer structure with depth effect for a vivid appearance
- Translucent outer layer simulates the natural vein structure of human skin
- Robust and with a relatively long life thanks to PVC base
- Special surface treatment for easy cleaning
- Dirt can be removed with soap and water
- Treat tough stains with special cleaner (article no. 640F12)

Technical data

Article number	Side	For hand size	Sleeve length	Metacarpal circumference	Middle finger length
8S20N=136X41L	left (L)	5	210 mm	136 mm	41 mm
8S20N=136X41R	right (R)	5	210 mm	136 mm	41 mm
8S20N=147X45L	left (L)	5 1/2	215 mm	147 mm	45 mm
8S20N=147X45R	right (R)	5 1/2	215 mm	147 mm	45 mm
8S20N=162X56L	left (L)	6	220 mm	162 mm	56 mm
8S20N=162X56R	right (R)	6	220 mm	162 mm	56 mm
8S20N=177X64L	left (L)	6 1/2	240 mm	177 mm	64 mm
8S20N=177X64R	right (R)	6 1/2	240 mm	177 mm	64 mm

- The entire SkinNatural colour palette is produced with seven colours. The new 646M47 colour scale helps to select the right sample. Notice: The 8S20N=* gloves are available in the colours 2, 4, 6, 8, 11, 14 and 16.
- Cleaning information: Soap and water are sufficient for daily cleaning. For stubborn stains, the special cleaner for prosthetic gloves (article no. 640F12) with the appropriate pump sprayer (article no. 640F13) should be used. The glove should be cleaned immediately after soiling (so the stain does not penetrate the PVC) and without using excessive pressure.
- Notice: The 8S20N=* gloves are available in the colours 2, 4, 6, 8, 11, 14 and 16.
- Please use the Skin Natural colour sample set (article no. 646M47) to determine the colour.
- Order example:
- 8S20=136X41L4 (standard glove)
- 8S20N=136X41L4 (MyolinoSkin Natural)

Accessories/spare parts for 8S20N, 8S20

640F18 **Donning spray**

The donning spray for Ottobock Skeo liners and prosthetic gloves (silicone, PVC) is needed among other things for putting on and removing the liner or prosthetic glove.

Technical data

Article number	for	Contents
640F18	Prosthetic gloves and liners	90 ml
640F18=900	Prosthetic gloves and liners	900 ml

640F13 **Pump sprayer**

The user should always keep a pump sprayer filled with special cleaner for prosthetic gloves handy in order to be able to use the cleaner immediately in case of soiling.

Technical data

Article number	for	Contents
640F13	640F12 Special cleaner	90 g

- This container is empty on delivery!

640F12 **Special cleaner**

In case of heavy soiling, the special cleaner for prosthetic gloves should be applied immediately.

Technical data

Article number	for	Contents
640F12	Prosthetic gloves	460 g

- Special cleaner (640F12) should not be used on silicone gloves.

10S16 **Lamination ring**

The lamination ring connects the Electric Hand 2000 (article no. 8E51) to the prosthetic socket. Prostheses can be provided for relatively long forearm residual limbs thanks to the low structural height. The lamination ring is laminated directly into the outer socket. The desired friction can be individually adjusted. This allows the Electric Hand 2000 to be fully rotated.

Technical data

Article number	User group	Outside Ø	For hand size
10S16=34	children	34 mm	5, 5 1/2
10S16=38	children	38 mm	6, 6 1/2

10V51 **MyolinoWrist 2000**

The MyolinoWrist 2000 mechanical ball wrist with adjustable friction for combination with the Electric Hand 2000 (article no. 8E51). Hand positioning in all directions reduces compensating movements. Additional degrees of freedom can support more natural movement patterns and a physiological body posture.

Key features

- Compatible with all four sizes (5, 5 ½, 6, 6 ½) of the Electric Hand 2000
- For bilateral use
- Two variants available (10V51=1 for lamination in TR socket, 10V51=2 for gluing into elbow component)

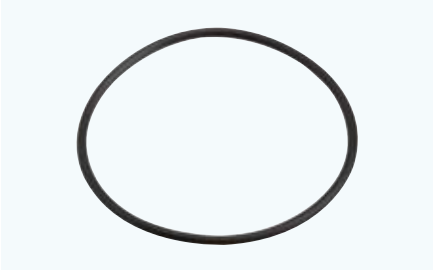
Technical data

Article number	User group	Wrist connection Ø	Overall length	Weight
10V51=1	children	40 mm	33 mm	47 g
10V51=2	children	40 mm		50 g

Information material

647G460=ALL_INT	Instructions for use | 10V51

Accessories/spare parts for 10S16, 10V51



627F13 **O-ring**

The O-ring is an accessory or spare part for the MyolinoWrist 2000 ball wrist joint (article no. 10V51).

Technical data

Article number
627F13=25X2

11D21 **Lamination ring set**

The lamination ring set is compatible with the MyolinoWrist 2000 (article no. 10V51=2).

Technical data

Article number	User group	Outside Ø	Spare part for
11D21	children	40 mm	10V51=2

11D61 **Lamination ring set**

The lamination ring set is compatible with the MyolinoWrist 2000 (article no. 10V51=1).

Technical data

Article number	User group	Outside Ø	Spare part for
11D61	children	43.5 mm	10V51=1

Information material

647G1402=ALL_ INT	Instructions for use (qualified personnel) | 757B35=*

757B35 **MyoEnergy Integral**

The MyoEnergy Integral is an integrated power supply system for the MyoBock system. The charging receptacle indicates the current charge level using LEDs and allows the prosthesis to be switched on and off and opened in an emergency.

Key features

- Charging receptacle indicates the current charge level
- Battery consists of two cells with different capacities
- Thanks to an integrated magnet, the charging plug can be easily attached to the charging receptacle
- The special contour of the charging receptacle and charging plug assures quick, reliable positioning of the two components
- Suitable for the treatment of adults and children

Technical data

Article number	Capacity	Output voltage	Charging time	Technology	Size
757B35=0	300 mAh	7.4 V	2 h	Lithium polymer	35 x 20 x 20 mm
757B35=1	600 mAh	7.4 V	2.5 h	Lithium polymer	52 x 25 x 9 mm
757B35=3	1,150 mAh	7.4 V	2.5 h	Lithium-ion	52 x 36 x 9 mm

- You can order the dummy set for the 757B35=* under article no. 757Z276=*.

Information material

647G534=ALL_ INT	Instructions for use (qualified personnel) | 757L35

757L35 **MyoCharge Integral**

The MyoCharge Integral is used to charge the MyoEnergy Integral integrated into the socket by simply connecting the charging plug to the charging receptacle on the outside of the socket. The integrated magnet and the special contour of the charging plug and charging receptacle ensure the quick and reliable positioning of both components.

Key features

- Integrated magnet for securing the charging plug to the charging receptacle
- The special contour of the charging plug and charging receptacle ensures quick and reliable positioning
- LEDs display the current battery capacity
- Suitable for all variants of the MyoEnergy Integral

Technical data

Article number	Operating temperature	Storage temperature	Supply voltage	Mains frequency
757L35	0 to +60 °C	-20 to +60 °C	100 - 240 V	50 -60 Hz

- The MyoCharge Integral can be used for all variants of the 757B35=0, 757B35=1, 757B35=3, 757B35=4 and 757B35=5 MyoEnergy Integral.

9E420 **7in1 Controller**

The 7in1 Controller is a control unit for the MyoBock child system and the Electric Hand 2000. The seven selectable program variants facilitate the customised configuration of the prosthetic hand as well as preparation for future treatment with the adult system.

Key features

- Suitable for the Electric Hand 2000 (article no. 8E51)
- Individual adjustment of the prosthetic hand
- Preparation for subsequent treatment with the adult system
- Power supply with MyoEnergy Integral battery system (article no. 757B35)
- Configuration of settings via Bluetooth data transfer and MyolinoSoft (article no. 560X3=V1.0)

Technical data

Article number	Side
9E420=L	left
9E420=R	right

Information material

646D442=EN	Child system – brochure for technicians

Accessories/spare parts for 9E420

60X6 **MyolinoLink**

The MyolinoLink is used for the wireless transfer of user-specific setting data between the 7in1 Controller and a Bluetooth-capable PC. It connects to the charging receptacle of the MyoEnergy Integral. The integrated magnet ensures the quick and reliable positioning of the two components.

Key features

- For wireless data transfer between the 7in1 Controller and Bluetooth-enabled PC
- Wireless configuration of user-specific settings
- Range of radio connection approx. 5 metres
- Putting into service is carried out by connecting to the MyoEnergy Integral charging receptacle
- Integrated magnet secures the MyolinoLink to the charging receptacle of the MyoEnergy Integral

Technical data

Article number
60X6

560X3 **MyolinoSoft**

The MyolinoSoft adjustment software is used for the patient-specific configuration of the 7in1 Controller and the Electric Hand 2000. Seven program routines are available. Bluetooth is used for the communication between the software and the system components.

Key features

- Wireless communication between software and system components using Bluetooth
- Direct transfer of the settings together with the MyolinoLink and BionicLink
- Customisable, patient-friendly adaptation such as patient side, control program, switching threshold or gripping speed

Technical data

Article number
560X3=V1.0

Information material

647G578	Instructions for use (qualified personnel) | 560X3=V1.0 MyolinoSoft 1.0

Information material

647G506=ALL_ INT	Instructions for use (qualified personnel) | 60X5 BionicLink PC

60X5 **BionicLink PC**

The BionicLink USB Bluetooth adapter supports wireless data communication between Ottobock products with a Bluetooth interface (such as the DynamicArm) and a PC with a USB port or USB hub via corresponding Ottobock software products (such as ElbowSoft).

Key features

- Wireless data communication between Ottobock products with a Bluetooth interface and a PC
- Used with corresponding software (e.g. ElbowSoft)

Technical data

Article number	for
60X5	Connection to computer (USB Bluetooth adapter)

- A proper connection between the Ottobock product and a PC can only be established using corresponding Ottobock software products (e.g. ElbowSoft).

12K19 **Elbow component for children**

The elbow component for children features a manual elbow lock and an upper arm rotation joint with lamination ring. The corresponding elbow ball is made of beige plastic. The wrist connection has a diameter of 40 mm. The elbow joint is suitable for prostheses in combination with the Electric Hand 2000.

Key features

- Wrist connector diameter: 40 mm
- Suitable for prostheses with the Electric Hand 2000 (article no. 8E51)
- Made of beige plastic (corresponds to skin colour 2 according to 646M3 colour sample set)

Technical data

Article number	Upper arm connection Ø	Wrist connection Ø	For hand size
12K19=40	54 mm	40 mm	6 3/4

Information material

647G469=ALL_INT	Instructions for use | 12K19, 12K5, 12K20

12K12 **MovolinoArm Friction**

The MovolinoArm Friction elbow joint is suitable for right and left side prostheses in children aged three to five years. It is compatible with body-powered and myoelectric arm prostheses. The elbow has one friction setting for humeral rotation and one for flexion or extension of the forearm.

Key features

- For treating children aged three to five years
- Compatible with passive, body-powered and myoelectric arm prostheses
- The length can be changed by shortening the forearm
- Attractive design
- Weight: 182 g

Technical data

Article number	Upper arm connection Ø	Wrist connection Ø	For hand size
12K12	43.5 mm	34 mm	5, 5 1/2, 6, 6 1/2

- Please note that only the MyoEnergy Integral batteries (article no. 757B35=0 and 757B35=1) can be used with the MovolinoArm Friction.
- Please note that one or two more electrode cables (article no. 13E129=G100) are required.

Information material

647G570=ALL_INT	Instructions for use | 12K12 MovolinoArm Friction

Accessories/spare parts for 12K19, 12K12

10S18 **Lamination ring for children's forearm**

The lamination ring for children's forearms connects the Electric Hand 2000 (article no. 8E51) with an elbow component for children (article no. 12K19=40). To do so, the lamination ring is glued directly into the elbow component using Orthocryl sealing resin compact adhesive (article no. 636K18=1).

Technical data

Article number	User group	Outside Ø
10S18=40	children	33 mm

709Z9 **Special key**

The special key for installing the lamination ring (article no. 10S18=40) is used to tighten the counter nut.

Technical data

Article number
709Z9

- The counter nut may become damaged when tightening in a vice or, for example, with pliers.

13G8 **Lamination ring**

Lamination ring for use with elbow components for children (article no. 12K19=40).

Technical data

Article number	Spare part for	User group	Outside Ø
13G8=54	12K19	children, youths	54 mm

13G21 **Lamination ring set**

Lamination ring set for the MovolinoArm Friction (article no. 12K12). The set consists of a lamination ring with lamination dummies and an O-ring.

Technical data

Article number	Spare part for	User group	Outside Ø
13G21	12K12	children	43,5 mm

11D12 **Wrist joint lamination ring**

The wrist joint lamination ring is used for the connection with the Electric Hand 2000. It consists of a copper friction ring, O-rings and a protective cover and is suitable for the MovolinoArm Friction elbow component.

Technical data

Article number	Accessory for	User group	Outside Ø	For lamination ring Ø
11D12=34	12K12	children	38 mm	34 mm

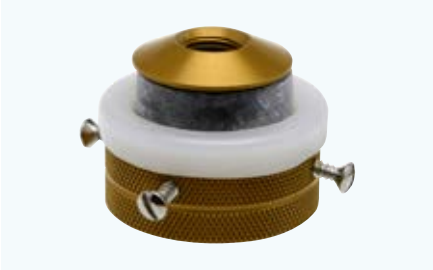
10A40 **Wood hand adapter**

The wood hand adapter has a plastic threaded stud (article no. M12X1.5) and is used to connect a passive inner hand to a forearm socket or elbow component. The diameter of the hand adapter is 60 mm, and modification to reduce that is possible.

Technical data

Article number	for	User group	Outside Ø	Thread	Overall length
10A40	Passive inner hands	children, youths, adults, mature adults	60 mm	M12	38 mm

- The diameter of the hand adapter is 60 mm, and modification to reduce that is possible.



10V36 **Ottobock wrist unit**

Ottobock wrist joint with interior thread and cylindrical lamination ring. Thread: ½“-20.

Technical data

Article number	User group	Outside Ø	Overall length	Weight
10V36=34	children	34 mm	25 mm	35 g

10V18 **Ottobock wrist unit**

Ottobock wrist joint with interior thread and cylindrical lamination ring. Thread: M12X1.5.

Technical data

Article number	User group	Outside Ø	Thread	Overall length	Weight
10V18=34	children	34 mm	M12	25 mm	35 g

Information material

647G1609=ALL_INT	Instructions for use (qualified personnel) | 13E200

13E200 **Electrode**

This MyoBock electrode is particularly sensitive in the range of low muscle signals. Thanks to modern frequency shielding and filtering technologies, it is also less sensitive to low and high-frequency interference that is emitted, for example, by mobile phones or shopping centre security systems.

Key features

- Reduces sensitivity to low and high-frequency interference
- Filters noise
- Electrode contacts made of pure titanium and suitable for people with allergies
- Electrode connection with IDC termination

Technical data

Article number	Mains frequency	Frequency bandwidth	Ambient temperature	Operating voltage
13E200=50	50 Hz	90 - 450 Hz	-15 to +60 °C	4.8 - 7.2 V
13E200=60	60 Hz	90 - 450 Hz	-15 to +60 °C	4.8 - 7.2 V

- Use silicone grease (article no. 633F11) to seal the plug connection. Remove any excess grease after connecting the electrode cable.
- The frequency filter's full protection effect will only be provided if the mains frequency and filter frequency are identical.
- The electrode accessories for laminated inner sockets (article number 13E153) and for vacuum-formed inner sockets (article number 13E201) are included in the scope of delivery.

Information material

647G334=ALL_INT	Instructions for use (qualified personnel) | 13E202

13E202 **Suction socket electrode**

This generation of electrodes is based on the familiar 13E200 electrode. Embedded into a suspension made of elastic material, this electrode creates an airtight seal between the inner socket and outer socket. If used correctly, this prevents perspiration from penetrating between the inner and outer socket.

Key features

- Airtight seal between the inner and outer socket
- Reduces sensitivity to low and high-frequency interference
- Filters noise
- Electrode contacts made of pure titanium and suitable for people with allergies
- Electrode connection with IDC termination

Technical data

Article number	Mains frequency	Frequency bandwidth	Ambient temperature	Operating voltage
13E202=50	50 Hz	90 - 450 Hz	-15 to +60 °C	4.8 - 7.2 V
13E202=60	60 Hz	90 - 450 Hz	-15 to +60 °C	4.8 - 7.2 V

- Use silicone grease (article no. 633F11) to seal the plug connection. Remove any excess grease after connecting the electrode cable.
- The suction socket electrode can not only be used for standard sockets but is also particularly suitable for application in elevated vacuum sockets. Combining the suction socket electrode with a tube valve (article no. 12V10) for an elevated vacuum socket creates a vacuum effect in the socket, optimising the hold of the residual limb in the socket.
- The frequency filter's full protection effect will only be provided if the mains frequency and filter frequency are identical.
- The electrode accessories (article number 13E206) are included in the scope of delivery.
- Tube valve (article number 12V10) can be ordered separately.

Accessories/spare parts for 13E200, 13E202

13E206 **Electrode accessory set**

Suitable for suction socket electrodes (article no. 13E202).

Technical data

Article number	for
13E206	13E202 Suction Socket Electrode

13E153 **Electrode accessories**

Suitable for laminated inner sockets with electrode (article no. 13E200).

Technical data

Article number	for
13E153	Laminated inner sockets with 13E200 electrode

- Use an Allen wrench (article no. 709S10=2) for socket screws (article no. 503F3).

13E201 **Electrode accessories**

Suitable for vacuum-formed inner sockets with electrode (article no. 13E200).

Technical data

Article number	for
13E201	vacuum-formed inner sockets with 13E200 Electrode

- Only available as a set. The electrode mounting bracket (article no. 13E172) and the setting nuts (article no. 29C5=M4X9) can also be ordered individually.

13E135 **Electrode mounting bracket set**

The electrode mounting bracket set is intended for positioning and assembling electrodes (article no. 13E200) on the interim plaster or ThermoLyn socket (article no. 616T52 or 616T53).

Technical data

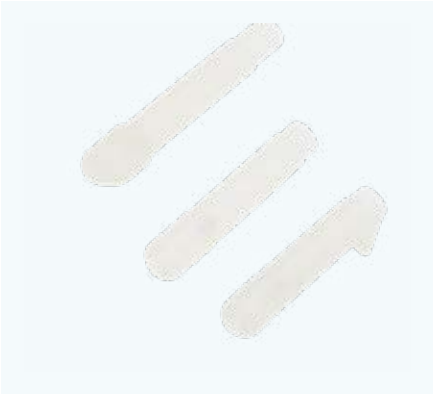
Article number	for
13E135	13E200 Electrodes

13E129 **Electrode cable with straight plug and plug connector**

Electrode cable for connecting an electrode or control element with other prosthetic components.

Technical data

Article number	Length
13E129=G100	100 mm
13E129=G300	300 mm
13E129=G600	600 mm
13E129=G1000	1,000 mm



9E342 **Finger cover**

Finger cover made of thermoplastic material, consisting of thumb, index finger and middle finger.

Technical data

Article number
9E342=5
9E342=5 1/2
9E342=6
9E342=6 1/2
9E342

9E347 **Finger filler**

Used to fill the little and ring fingers in the prosthetic glove (article no. 8S20 and 8S20N).

Technical data

Article number	Side
9E347=L5	left
9E347=L5 1/2	left
9E347=L6	left
9E347=L6 1/2	left
9E347=R5	right
9E347=R5 1/2	right
9E347=R6	right
9E347=R6 1/2	right

OC1560 **EasyFit Arm donning aid**

The EasyFit Arm donning aid saves time and effort when putting on an arm prosthesis with a valve opening.

Technical data

Article number	Size	Proximal residual limb circumference	Distal residual limb circumference	Residual limb length
OC1560=KIDS	KIDS	29 cm	15 cm	21 cm
OC1560=TR	TR	42 cm	22 cm	25 cm
OC1560=TH	TH	47 cm	28 cm	34 cm

Information material

646D536=EN	OC1560 EasyFit Arm donning aid product information

453A1 **Derma Protection ArmComfort**

Derma Protection ArmComfort makes the transition from the forearm socket to the upper arm more visually appealing and provides additional support for the prosthesis. The special polymer gel coating, high elasticity and anatomical fit also improve wearer comfort.

Technical data

Article number	for	Overall length
453A1	Adults	245 mm
453A1=1	Children	160 mm

Information material

647H1658=ALL_INT	Instructions for use (User) | Derma Protection Arm-Comfort

99B13 **PVC connection tube**

The PVC connection tube serves as a connection channel between the inner and outer sockets.

Technical data

Article number	Diameter	Colour
99B13=16	16 mm	Skin colour
99B13=16-7	16 mm	Black
99B13=21	21 mm	Skin colour
99B13=21-7	21 mm	Black

99B83 **Tube dummies**

The tube dummies are used for fabricating vacuum-formed inner sockets.

Technical data

Article number	Diameter
99B83=16	16 mm
99B83=21	21 mm

711M50 **Mounting adapter**

For installing and removing the 7in1 Controller (article number 9E420).

Technical data

Article number
711M50-1

743A19 **Alignment tool**

Alignment tool suitable for lamination rings (art. no. 10S16) for Electric Hand 2000 (art. no. 8E51).

Technical data

Article number	Thread	Diameter	Length
743A19	M8	12 mm	169 mm

709S10 **Allen wrench**

Offset Allen key for adjusting the friction of the MyolinoWrist 2000 (art. no. 10V51).

Technical data

Article number	Side length	Wrench size	Weight	Material
709S10=2	52 x 19 mm	2 mm	0.002 kg	CV steel

709S42 **Allen wrench**

Offset Allen key for adjusting the friction of the MyolinoWrist 2000 (art. no. 10V51).

Technical data

Article number
709S42

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bebionic

MyoBock

Best quality for an optimal fitting

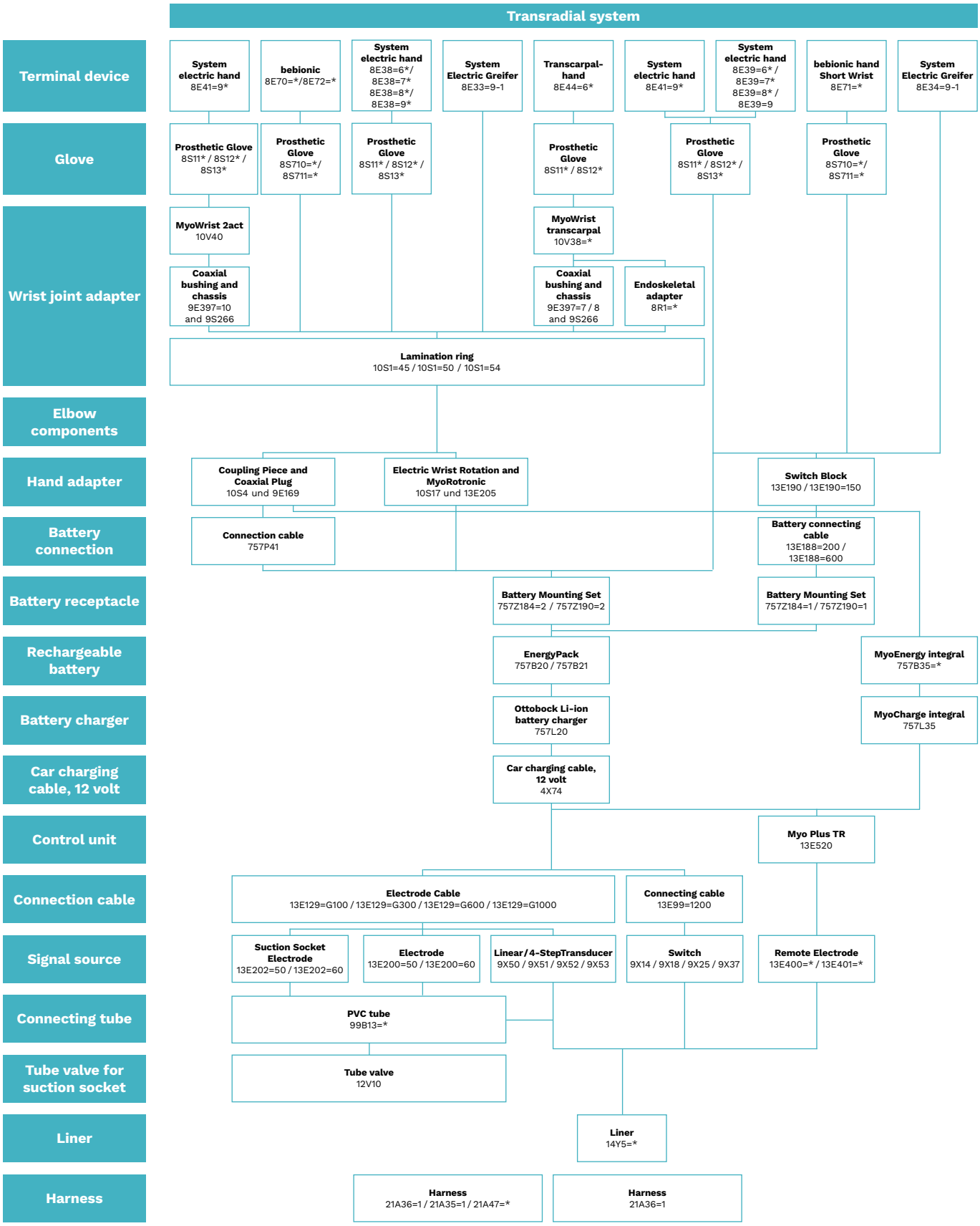
As far back as the 1960s, Ottobock set international standards with the development of the System Electric Hand and has since placed great emphasis on quality in the further development of myoelectric hand and arm prostheses – for optimal, customised fittings. A sensor integrated in the thumb of the SensorHand Speed prevents grasped objects from slipping out of the hand.
This prosthetic hand also sets new standards in terms of gripping force and gripping speed with the MyoHand VariPlus Speed. The DynamicArm is an electronically controlled, active elbow joint. Its innovative drive and continuous vario-gear results in particularly physiological movemen characteristics. A highly natural appearance can be achieved in combi-nation with the hand-painted SkinNatural prosthetic gloves.

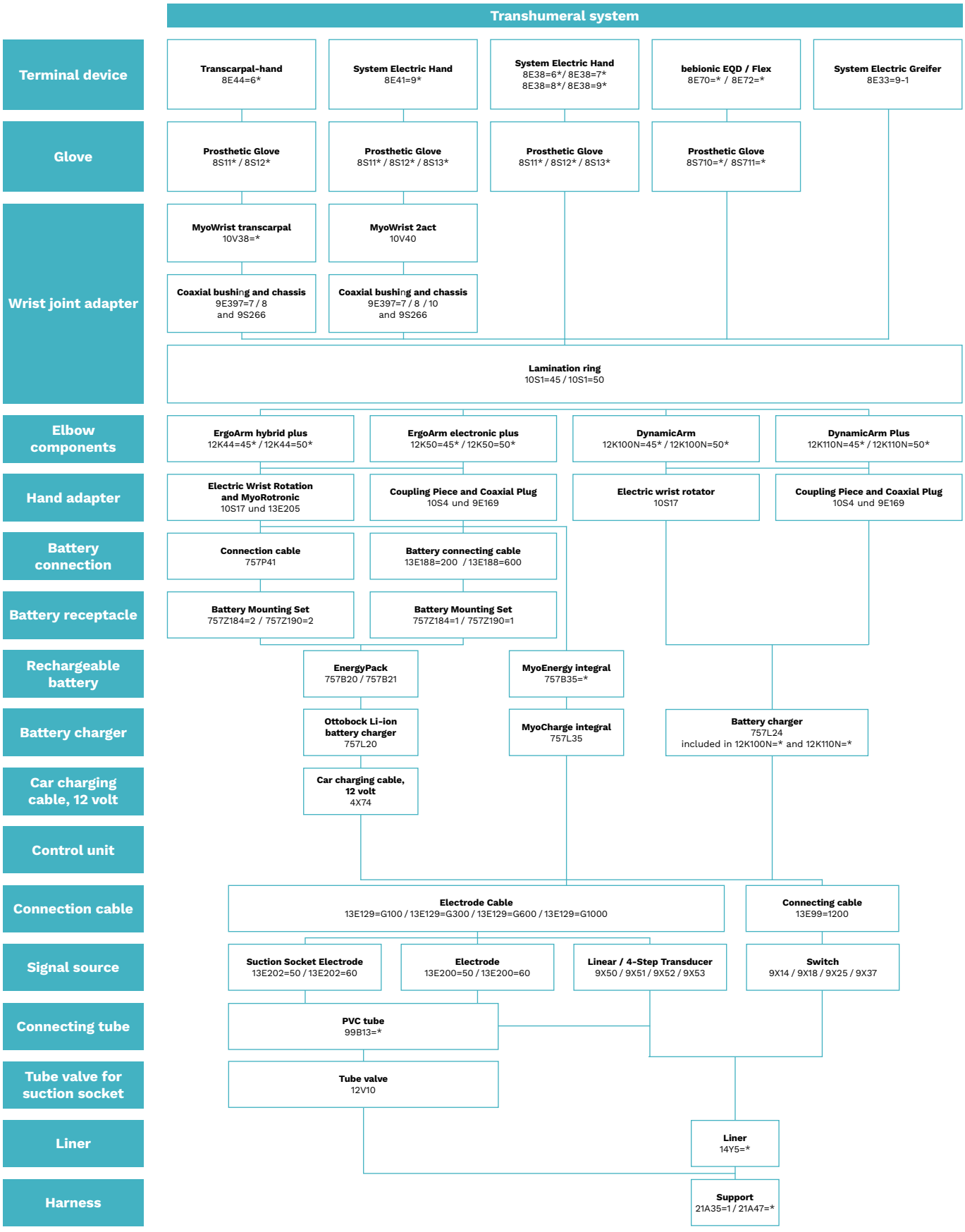
On the following pages you will find

- Myo Plus pattern recognition
- bebionic hand
- Myo terminal device
- Spare parts and accessories
- System Electric Hands
- Myo prosthetic gloves and accessories
- Myo System Electric Greifer Myo wrists and accessories
- Elbow components
- Shoulder joints
- Electrodes and accessories
- Batteries and battery chargers with accessories
- Cables and accessories
- Control elements
- Accessories
- Myo software Myo service parts

Visit www.ottobock.com to obtain up-to-date product information at any time.

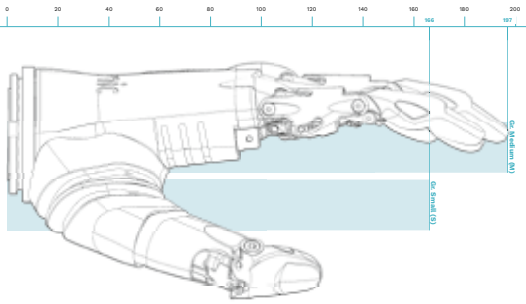
MyoBock.
Overview MyoBock fittings for adults.




Transhumeral system
Terminal device
Glove
Wrist joint adapter
Elbow components
Hand adapter
Battery connection
Battery receptacle
Rechargeable battery
Battery charger
Car charging cable, 12 volt
Control unit
Connection cable
Signal source
Connecting tube
Tube valve for suction socket
Liner
Harness
Transcarpal-hand 8E44=6*
System Electric Hand 8E41=9*
System Electric Hand 8E38=6*/ 8E38=7* 8E38=8*/ 8E38=9*
bebionic EQD / Flex 8E70=* / 8E72=*
System Electric Greifer 8E33=9-1
Prosthetic Glove 8S11* / 8S12*
Prosthetic Glove 8S11* / 8S12* / 8S13*
Prosthetic Glove 8S11* / 8S12* / 8S13*
Prosthetic Glove 8S710=*/ 8S711=*
MyoWrist transcarpal 10V38=*
MyoWrist 2act 10V40
Coaxial bushing and chassis 9E397=7 / 8 and 9S266
Coaxial bushing and chassis 9E397=7 / 8 / 10 and 9S266
Lamination ring 10S1=45 / 10S1=50
ErgoArm hybrid plus 12K44=45* / 12K44=50*
ErgoArm electronic plus 12K50=45* / 12K50=50*
DynamicArm 12K100N=45* / 12K100N=50*
DynamicArm Plus 12K110N=45* / 12K110N=50*
Electric Wrist Rotation and MyoRotronic 10S17 und 13E205
Coupling Piece and Coaxial Plug 10S4 und 9E169
Electric wrist rotator 10S17
Coupling Piece and Coaxial Plug 10S4 und 9E169
Connection cable 757P41
Battery connecting cable 13E188=200 / 13E188=600
Battery Mounting Set 757Z184=2 / 757Z190=2
Battery Mounting Set 757Z184=1 / 757Z190=1
EnergyPack 757B20 / 757B21
MyoEnergy integral 757B35=*
Ottobock Li-ion battery charger 757L20
MyoCharge integral 757L35
Battery charger 757L24 included in 12K100N=* and 12K110N=*
Car charging cable, 12 volt 4X74
Electrode Cable 13E129=G100 / 13E129=G300 / 13E129=G600 / 13E129=G1000
Connecting cable 13E99=1200
Suction Socket Electrode 13E202=50 / 13E202=60
Electrode 13E200=50 / 13E200=60
Linear / 4-Step Transducer 9X50 / 9X51 / 9X52 / 9X53
Switch 9X14 / 9X18 / 9X25 / 9X37
PVC tube 99B13=*
Tube valve 12V10
Liner 14Y5=*
Support 21A35=1 / 21A47=*

ottobock.

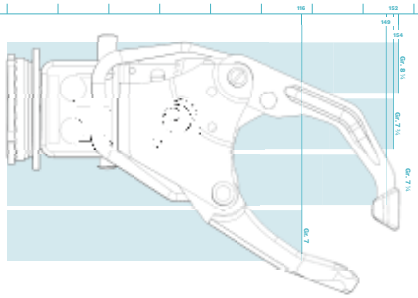
MyoBock terminal devices.
Structural heights.



bebionic hand.

Structural height Size small: 166 mm (colour: white or black)
Size medium: 197 mm (colour: black)

Hand circumference Size small: 180 mm
Size medium: 210 mm



MyoBock hand.

SensorHand Speed / MyoHand VariPlus Speed

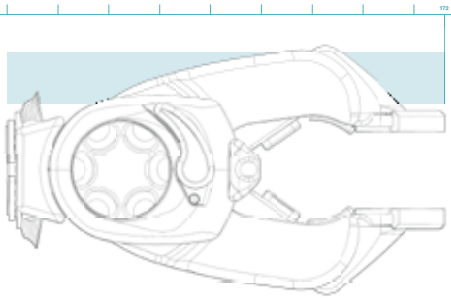
Structural height Size 7 ¼: 149 mm
Size 7 ¾: 152 mm
Size 8 ¼: 154 mm

Hand circumference Size 7 ¼: 190 mm
Size 7 ¾: 209 mm
Size 8 ¼: 217 mm

DMC plus System Electric Hand

Structural height Size 7: 116 mm

Hand circumference Size 7: 172 mm



System Electric Greifer.

Structural height 172 mm

Flex with EQD and active rotation.

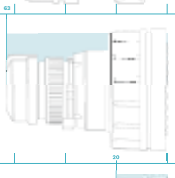
Structural height 99 mm (MyoBock)
96 mm (bebionic)

Reference numbers 8E41 MyoBock hand with 10V40, 9S266 and 10S17
8E72 bebionic with 10S17

Flex with EQD.

Structural height 56 mm (MyoBock)
53 mm (bebionic)

Reference numbers 8E41 MyoBock hand with 10V40 and 9S266
8E72 bebionic



EQD with active rotation.

Structural height 63 mm

Reference numbers 8E33 System Electric Greifer with 10S17
8E38 MyoBock hand with 10S17
8E70 bebionic with 10S17

EQD.

Structural height 20 mm

Reference numbers 8E33 System Electric Greifer
8E38 MyoBock hand
8E70 bebionic

Short wrist.

Structural height 6 mm

Reference numbers 8E34 System Electric Greifer
8E39 MyoBock hand
8E71 bebionic

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Myo Plus pattern recognition

Myo Plus ensures easy, intuitive and smooth prosthesis control without the complicated process of switching between different grips. The intelligent control learns to interpret the movement patterns in the user's residual limb. A certain prosthesis grip is assigned to each movement pattern, so the prosthesis can be intuitively controlled like never before.

The newly developed Myo Plus app is the central interface between the user and the control unit. It serves as a "window into the prosthesis" and visualises the movement patterns in the residual limb. While the prosthesis used to be something of a "black box" for technicians, users and therapists, the app now makes the movement patterns directly visible for the first time

13E520 **Myo Plus TR**

The Myo Plus TR control unit uses machine learning to measure and interpret existing muscle activity in the residual limb. As a result, movement patterns are recognised and assigned to prosthesis movements.

Key features

- Machine learning allows the user's individual movement patterns to be utilised
- Suitable for active or passive rotation
- More intuitive control, better and more fluid transition without switching
- bebionic hand with digital control interface
- Compatible with all MyoBock hands and analogue myo hands

Technical data

Article number	Width	Height	Length	Size
13E520	27 mm	9,2 mm	67 mm	67 x 27 x 9,2 mm

Information material

647G1381=ALL_INT	Instruction for use [short] (qualified personnel) | Myo Plus
647H915=ALL_INT	Instructions for use (user)| Myo Plus
647F599=EN_ MASTER	Order form | bebionic Hand, Myo Plus
646D1430=EN_ MASTER	Myo Plus product brief

13E400 **Remote electrode**

Double-pole Remote electrode for recording muscle signals with Myo Plus pattern recognition. Available in two cable lengths (90 mm and 140 mm).

Technical data

Article number	Length	Frequency bandwidth	Mains frequency
13E400=G90-50	90 mm	80 - 500 Hz	50 Hz
13E400=G90-60	90 mm	80 - 500 Hz	60 Hz
13E400=G140-50	140 mm	80 - 500 Hz	50 Hz
13E400=G140-60	140 mm	80 - 500 Hz	60 Hz

- Up to six of the 13E400=* Remote electrodes are required per prosthesis.

13E401 **Remote electrode**

Triple-pole Remote electrode for recording muscle signals with Myo Plus pattern recognition. Available in two cable lengths (90 mm and 140 mm).

Technical data

Article number	Length	Frequency bandwidth	Mains frequency
13E401=G90-50	90 mm	80 - 500 Hz	50 Hz
13E401=G90-60	90 mm	80 - 500 Hz	60 Hz
13E401=G140-50	140 mm	80 - 500 Hz	50 Hz
13E401=G140-60	140 mm	80 - 500 Hz	60 Hz

- Two of the 13E401=* Remote electrodes are required per prosthesis.

Accessories/spare parts for 13E520, 13E400, 13E401

13Z161 **Electrode dome, low**

Flat electrode dome with a height of 2.2 mm for screw connection with remote electrode for Myo Plus pattern recognition. The inner side is tapered so it can fit snugly against the inner socket material.

Technical data

Article number	Height	Package contents
13Z161	2.2 mm	6 piece(s)

- A total of three packing units (18 pcs) are needed per prosthesis.

13Z162 **Electrode dome, medium**

Medium electrode dome with a height of 3.5 mm for screw connection with remote electrode for Myo Plus pattern recognition. The inner side is tapered so it can fit snugly against the inner socket material.

Technical data

Article number	Height	Package contents
13Z162	3.5 mm	6 piece(s)

- A total of three packing units (18 pcs) are needed per prosthesis.

13Z163 **Electrode dome, high**

Tall electrode dome with a height of 4.2 mm for screw connection with remote electrode for Myo Plus pattern recognition. The inner side is tapered so it can fit snugly against the inner socket material.

Technical data

Article number	Height	Package contents
13Z163	4.2 mm	6 piece(s)

- A total of three packing units (18 pcs) are needed per prosthesis.

560X18 **Myo Plus**

The Myo Plus app lets qualified personnel and users configure the Myo Plus prosthesis control and adjust it on an ongoing basis.

Key features

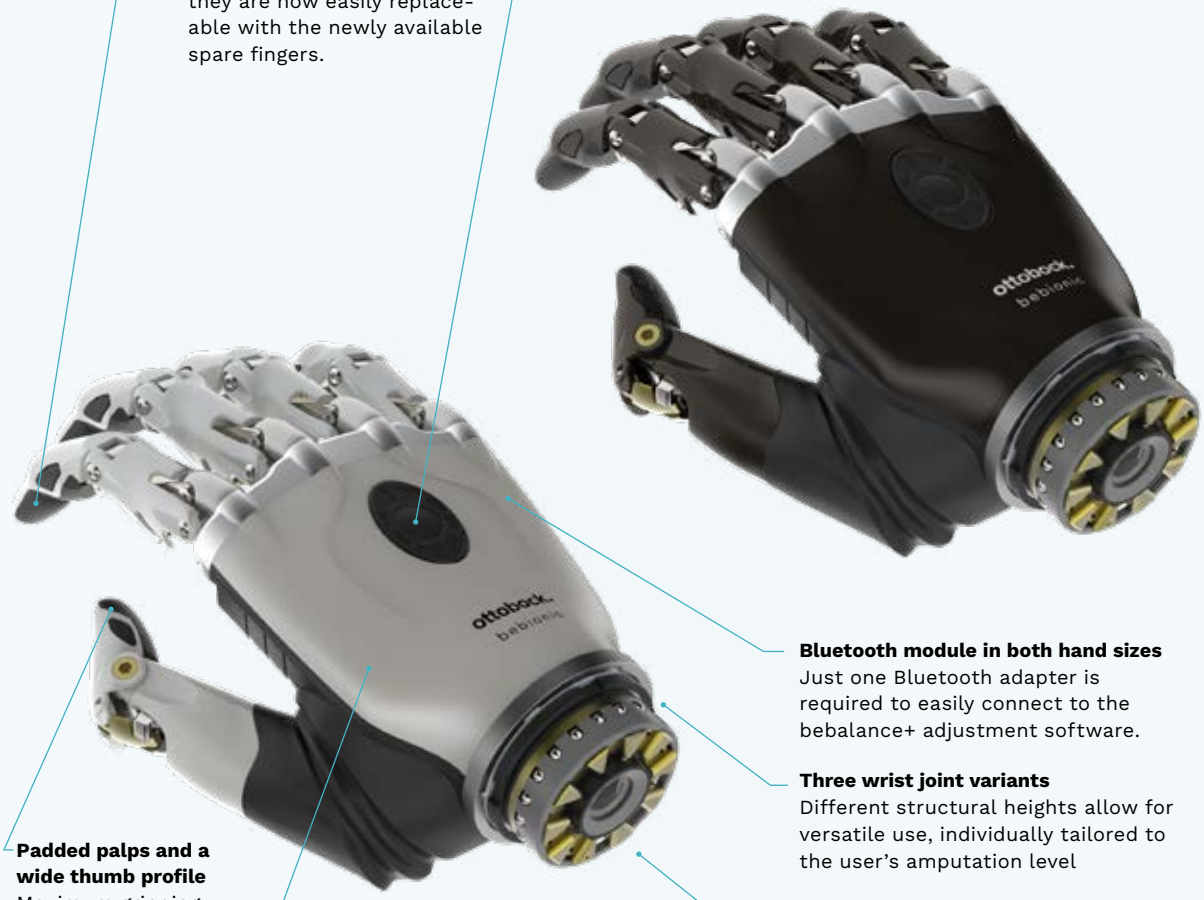
- Evaluation and prosthesis training
- Basic system settings
- Illustration and continuous adaptation of movement patterns
- Adjustment of system and movement parameters
- Available free of charge in the Google Play Store and Apple App Store

bebionic hand

Passively movable and replaceable fingers
The fingers yield when they brush against people or unintentionally bump into objects and fold away comfortably to protect the mechanics of the hand. If the fingers do break, they are now easily replaceable with the newly available spare fingers.

14 selectable grips and hand positions
For a high degree of flexibility in everyday life with a wide range of different activities.

The hand is now fully produced by Ottobock and is subject to our rigorous quality requirements.



Bluetooth module in both hand sizes
Just one Bluetooth adapter is required to easily connect to the bebalance+ adjustment software.

Three wrist joint variants
Different structural heights allow for versatile use, individually tailored to the user's amputation level

Compatible with Myo Plus
Coordinated with Myo Plus pattern recognition through a digital interface.

Padded palps and a wide thumb profile
Maximum gripping surface and safe, precise gripping.

Highly functional multi-articulating hand
Individual drives in the fingers allow objects to be grasped in a natural-looking, adaptive way.

bebionic hand

The bebionic hand is a myoelectrically controlled prosthetic hand, offering the user five individually powered, moveable fingers. Each individual finger and the thumb is driven by its own motor, allowing this hand to execute various grip patterns. The latest drive technology allows the integrated microprocessor to continuously monitor the finger position.

This makes it possible to reconstruct all grip patterns precisely and also gives the hand a special feature, the Auto-Grip function.

The bebionic is available in sizes small and medium. The small hand is ideal for women and adolescents.

Information material

647G1391=ALL_INT	Instructions for use [short] (qualified personnel) | 8E70=*, 8E71=*, 8E72=*
647G1392=ALL_INT	Instructions for use [short] (qualified personnel) | 560X12=V1.4 bebalance+ 1.4

8E70 **bebionic hand EQD**

This multi-articulating prosthetic hand features 14 different grips and works intuitively and precisely.

Key features

- Individual drives in the fingers
- Easy to connect to bebalance+ adjustment software via Bluetooth with enhanced usability
- Optimised for Myo Plus pattern recognition
- Padded palps and a wide thumb profile
- 14 selectable grips
- Compatible with DynamicArm without AnalogAdapter
- Available in white Kevlar look and black carbon look

Technical data

Article number	Side	Size	Colour
8E70=L-M-B	left (L)	Medium	Black
8E70=L-S-B	left (L)	small	Black
8E70=L-S-W	left (L)	small	White
8E70=R-M-B	right (R)	Medium	Black
8E70=R-S-B	right (R)	small	Black
8E70=R-S-W	right (R)	small	White
8E70=L-M-B-1	left (L)	medium	Black
8E70=L-S-B-1	left (L)	small	Black
8E70=L-S-W-1	left (L)	small	White
8E70=R-M-B-1	right (R)	medium	Black
8E70=R-S-B-1	right (R)	small	Black
8E70=R-S-W-1	right (R)	small	White

- The bebionic hand EQDrequires certification! Please contact your customer service representative or your regional contact person about this.

Information material

647G1391=ALL_INT	Instructions for use [short] (qualified personnel) | 8E70=*, 8E71=*, 8E72=*
646D1360=EN_ MASTER	Brochure for technicians – bebionic hand
646D1361=EN_ MASTER	User brochure – bebionic hand
647G1392=ALL_INT	Instructions for use [short] (qualified personnel) | 560X12=V1.4 bebalance+ 1.4

8E71 **bebionic hand Short Wrist**

The short wrist consists of a low-profile connector for users with a long residual limb. A lamination ring is provided for these hands in addition. The hand can also be rotated against a constant friction, which can be adjusted by the O&P professional.

Key features

- Individual drives in the fingers
- Easy to connect to bebalance+ adjustment software via Bluetooth with enhanced usability
- Optimised for Myo Plus pattern recognition
- Padded palps and a wide thumb profile
- 14 selectable grips
- Available in white Kevlar look and black carbon look

Technical data

Article number	Side	Colour
8E71=L-M-B-1	left (L)	Black
8E71=L-S-B-1	left (L)	Black
8E71=L-S-W-1	left (L)	White
8E71=R-M-B-1	right (R)	Black
8E71=R-S-B-1	right (R)	Black
8E71=R-S-W-1	right (R)	White

Information material

647G1391=ALL_INT	Instructions for use [short] (qualified personnel) | 8E70=*, 8E71=*, 8E72=*
646D1360=EN_ MASTER	Brochure for technicians – bebionic hand
646D1361=EN_ MASTER	User brochure – bebionic hand
647G1392=ALL_INT	Instructions for use [short] (qualified personnel) | 560X12=V1.4 bebalance+ 1.4

8E72 **bebionic hand Flex**

The “Flex” wrist makes it easy for the user to lock or unlock the wrist position and set the hand prosthesis in five different positions. The hand position can be locked in flexion and extension in 20° increments from -40° to +40°.

Key features

- Versatile flexion joint
- Individual drives in the fingers
- Easy to connect to bebalance+ adjustment software via Bluetooth with enhanced usability
- Compatible with Myo Plus pattern recognition
- Padded palps and a wide thumb profile
- 14 selectable grips
- Compatible with DynamicArm without AnalogAdapter

Technical data

Article number	Side	Size	Colour
8E72=L-M-B-1	left (L)	medium	Black
8E72=L-S-B-1	left (L)	small	Black
8E72=L-S-W-1	left (L)	small	White
8E72=R-M-B-1	right (R)	medium	Black
8E72=R-S-B-1	right (R)	small	Black
8E72=R-S-W-1	right (R)	small	White

Accessories/spare parts for 8E70, 8E71, 8E72

9S296 **Finger chain**

The finger chain serves as overload protection for the four actively powered fingers by protecting the drive. In case of overloading, the corresponding finger can no longer be flexed since the connection to the drive was severed.

Technical data

Article number
9S296
9S296-1=1

- Please use the finger chain (article no. 9S296) for the bebionic hands manufactured by Ottobock.
- Please use the finger chain (article no. B30977) for the bebionic hands manufactured by Steeper.

9S317 **Finger, Small-Hand**

Replaceable modular finger for an easy and fast on-site repair. Fitting to the hands: 8E70=*-1, 8E71=*-1 and 8E72=*-1.

Technical data

Article number	Finger	Colour
9S317=1-6	index finger S	White
9S317=2-6	middle finger S	White
9S317=3-6	ring finger S	White
9S317=4-6	little finger S	White
9S317=1-7	index finger S	Black
9S317=2-7	middle finger S	Black
9S317=3-7	ring finger S	Black
9S317=4-7	little finger S	Black

9S366 **Finger, Medium-Hand**

Replaceable modular fingers for an easy and fast on-site repair. Fitting to the hands: 8E70=*-1, 8E71=*-1 and 8E72=*-1.

Technical data

Article number	Finger	Colour
9S366=1-7	index finger M	Black
9S366=2-7	little finger M	Black

9S367 **Finger, Medium-Hand**

Replaceable modular fingers for an easy and fast on-site repair. Fitting to the hands: 8E70=*-1, 8E71=*-1 and 8E72=*-1.

Technical data

Article number	Finger	Colour
9S367=1-7	middle finger M	Black
9S367=2-7	ring finger M	Black

B33061 **Bluetooth long dongle**

The Bluetooth long dongle enables wireless data communication between the bebionic hand and bebalance+ software.

Technical data

Article number
B33061

- The dongle is used for the bebionic hands produced by Ottobock.

Information material

647G1362=ALL_INT	Instructions for use (qualified personnel) | 8S710, 8S711 bebionic Skin Silicone
647H897=ALL_INT	Instructions for use (patient) | 8S710, 8S711 bebionic Skin Silicone
647G1391=ALL_INT	Instructions for use [short] (qualified personnel) | 8E70=*, 8E71=*, 8E72=*

8S711 **bebionic Skin Silicone**

The bebionic Skin Silicone prosthetic glove is manufactured from multiple layers of state-of-the-art silicone with an integrated reinforcing mesh. It has a realistic, inconspicuous design thanks to finely crafted details on the palms, knuckles, nails and joints as well as the micropigmentation. Available in eight colours.

Key features

- Easy to put on and take off
- Easy to clean with warm water and soap
- Natural design and appearance thanks to adapted finger position
- Adapted silicone formula for consistent appearance
- Optimised bonding process for the integrated reinforcing mesh
- UV resistant and thermally stable

Technical data

Article number	Side	Size
8S711=L-S	left (L)	S
8S711=R-S	right (R)	S
8S711=L-M	left (L)	M
8S711=R-M	right (R)	M
8S711=L-L	left (L)	L
8S711=R-L	right (R)	L

- Available in eight different shades.
- Please use the colour sample set (article no. 646M82) to determine the colour.
- Order example: 8S711=R-S04-N

Information material

647G1362=ALL_INT	Instructions for use (qualified personnel) | 8S710, 8S711 bebionic Skin Silicone
647H897=ALL_INT	Instructions for use (patient) | 8S710, 8S711 bebionic Skin Silicone
647G1391=ALL_INT	Instructions for use [short] (qualified personnel) | 8E70=*, 8E71=*, 8E72=*

8S710 **bebionic Skin Silicone Black**

The bebionic Skin Silicone prosthetic glove is manufactured from multiple layers of state-of-the-art silicone with an integrated reinforcing mesh.

Key features

- Easy to put on and take off
- Easy to clean with warm water and soap
- Adapted silicone formula for consistent appearance
- Optimised bonding process for the integrated reinforcing mesh
- UV resistant and thermally stable

Technical data

Article number	Side	Size	Colour
8S710=L-S20	left (L)	S	Black
8S710=R-S20	right (R)	S	Black
8S710=L-M20	left (L)	M	Black
8S710=R-M20	right (R)	M	Black
8S710=L-L20	left (L)	L	Black
8S710=R-L20	right (R)	L	Black

- Order example: 8S710=R-S20-N

Information material

647G1612=ALL_INT	Instructions for use (qualified personnel) | 8E38=8*, 8E39=8*, 8E43=8*
646D321=EN_MASTER	Brochure for technicians – SensorHand Speed / MyoHand VariPlus Speed
646F277=EN_MASTER	Poster – MyoBock portfolio

8E38=9 **MyoHand VariPlus Speed**

The MyoHand VariPlus Speed combines the mechanical characteristics of the SensorHand Speed and the control variants of the DMC VariPlus System Electric Greifer. Thanks to the high gripping force and speed, users can grip objects quickly and precisely.

Key features

- High gripping force and speed
- Fast and precise gripping
- Automatic shut-off electronics with integrated on-off switch
- With low-friction bevel gear, positive drive unit and system inner hand
- An integrated slip clutch makes opening possible in case of emergency

Technical data

Article number	Side	Size	Inner hand	for
8E38=9-L7 1/4	left	7 1/4	8X18=L7 1/4	Women, adolescents
8E38=9-R7 1/4	right	7 1/4	8X18=R7 1/4	Women, adolescents
8E38=9-L7 3/4	left	7 3/4	8X18=L7 3/4	Men
8E38=9-R7 3/4	right	7 3/4	8X18=R7 3/4	Men
8E38=9-L8 1/4	left	8 1/4	8X18=L8 1/4	Men
8E38=9-R8 1/4	right	8 1/4	8X18=R8 1/4	Men

Static current	1 mA
Operating temperature	-5 to 45 °C
Operating voltage	6/7.2 V
Opening width	100 mm
Proportional gripping force	0 - 100 N
Proportional speed	15 - 300 mm/sec
Weight with system inner hand	460 g

- The electrodes must be adjusted with the MyoBoy (article no. 757M11).
- The MyoHand VariPlus Speed requires certification! Please contact your customer service representative or your regional contact person about this.

Information material

647G1362=ALL_INT	Instructions for use (qualified personnel) | 8S710, 8S711 bebionic Skin Silicone
647H897=ALL_INT	Instructions for use (patient) | 8S710, 8S711 bebionic Skin Silicone

8E39=9 **MyoHand VariPlus Speed**

The hand combines the mechanical characteristics of the SensorHand Speed and the control variants of the DMC VariPlus System Electric Greifer. Thanks to the high gripping force and speed, users can grip objects quickly and precisely.

Key features

- High gripping force and speed
- Fast and precise gripping
- Automatic shut-off electronics with integrated on-off switch
- With low-friction bevel gear, positive drive unit and system inner hand
- An integrated slip clutch makes opening possible in case of emergency

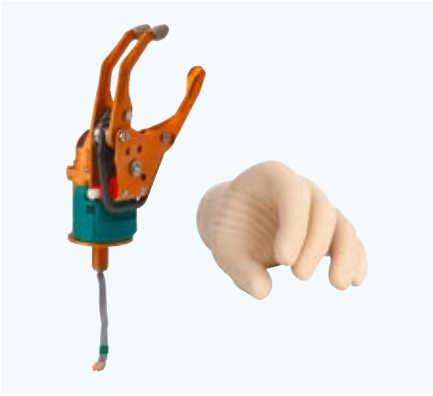
Technical data

Article number	Side	Size	Inner hand	for
8E39=9-L7 1/4	left	7 1/4	8X18=L7 1/4	Women, adolescents
8E39=9-R7 1/4	right	7 1/4	8X18=R7 1/4	Women, adolescents
8E39=9-L7 3/4	left	7 3/4	8X18=L7 3/4	Men
8E39=9-R7 3/4	right	7 3/4	8X18=R7 3/4	Men
8E39=9-L8 1/4	left	8 1/4	8X18=L8 1/4	Men
8E39=9-R8 1/4	right	8 1/4	8X18=R8 1/4	Men

Static current	1 mA
Operating temperature	0 to +70 °C
Opening width	100 mm
Proportional gripping force	0 - 100 N
Proportional speed	15 - 300 mm/sec
Weight with system inner hand	460 g

- The electrodes must be adjusted with the MyoBoy (article no. 757M11).
- The MyoHand VariPlus Speed can be operated with the MyoEnergy Integral (article no. 757B35=*) or the EnergyPack (article no. 757B20 / 757B21). It features a centrally guided flat cable, automatic shut-off electronics with integrated on-off switch, low-friction bevel gear, positive drive unit and system inner hand. An integrated slip clutch makes opening possible in case of emergency.

The following control variants can be selected with the MyoSelect (article no. 757T13)
- DMC plus
- AutoControl LowInput
- VarioControl
- VarioDual
- DigitalControl
- DoubleChannel Control



Information material

647G504=ALL_INT	Instructions for use | 8E38=9, 8E39=9, 8E41=9
646D321=EN_MASTER	Brochure for technicians – SensorHand Speed / MyoHand VariPlus Speed
646D1551=EN_MASTER	Product brief | Myo Speed hands
646D1269=EN_HQ	Brochure for technicians – MyoBock
647F624=EN_MASTER	Order form | Active Rotation & Integral Battery
647F625=EN_MASTER	Order form | Passive Rotation & Integral Battery
647F626=EN_MASTER	Order form | Active rotation & external rechargeable battery
647F627=EN_MASTER	Order form | Passive rotation & external rechargeable battery

8E41=9 **MyoHand VariPlus Speed**

The hand combines the mechanical characteristics of the SensorHand Speed and the control variants of the DMC VariPlus. Thanks to the high gripping force and speed, users can grip objects quickly and precisely.

Key features

- High gripping force and speed
- Fast and precise gripping
- Automatic shut-off electronics with integrated on-off switch
- With low-friction bevel gear, positive drive unit and system inner hand
- An integrated slip clutch makes opening possible in case of emergency

Technical data

Article number	Side	Size	Inner hand	for
8E41=9-L7 1/4	left	7 1/4	8X18=L7 1/4	Women, adolescents
8E41=9-R7 1/4	right	7 1/4	8X18=R7 1/4	Women, adolescents
8E41=9-L7 3/4	left	7 3/4	8X18=L7 3/4	Men
8E41=9-R7 3/4	right	7 3/4	8X18=R7 3/4	Men
8E41=9-L8 1/4	left	8 1/4	8X18=L8 1/4	Men
8E41=9-R8 1/4	right	8 1/4	8X18=R8 1/4	Men

Static current	1 mA
Operating temperature	0 to +70 °C
Operating voltage	6/7.2 V
Opening width	100 mm
Proportional gripping force	0 - 100 N
Proportional speed	15 - 300 mm/sec
Weight with system inner hand	460 g

- The electrodes must be adjusted with the MyoBoy (article no. 757M11).

Information material

647G1612=ALL_INT	Instructions for use (qualified personnel) | 8E38=8*, 8E39=8*, 8E43=8*
646D321=EN_MASTER	Brochure for technicians – SensorHand Speed / MyoHand VariPlus Speed
646D1551=EN_MASTER	Product brief | Myo Speed hands

8E38=8 **SensorHand Speed**

The SensorHand Speed opens and closes more than twice as fast as other electric hands. It can be controlled easily and precisely. The grip stabilisation system with SUVA sensors reduces the risk of an object slipping out of the hand and being dropped. The FlexiGrip function allows a grasped object to be repositioned in the hand.

Key features

- High gripping force and speed
- Fast and precise gripping
- Automatic shut-off electronics with integrated on-off switch
- With low-friction bevel gear, positive drive unit and system inner hand
- Automatic grip stabilisation system with SUVA* sensors
- FlexiGrip function allows a grasped object to be repositioned in the hand
- An integrated slip clutch makes opening possible in case of emergency

Technical data

Article number	Side	Size	Inner hand	for
8E38=8-L7 1/4	left	7 1/4	8X18=L7 1/4	Women, adolescents
8E38=8-R7 1/4	right	7 1/4	8X18=R7 1/4	Women, adolescents
8E38=8-L7 3/4	left	7 3/4	8X18=L7 3/4	Men
8E38=8-R7 3/4	right	7 3/4	8X18=R7 3/4	Men
8E38=8-L8 1/4	left	8 1/4	8X18=L8 1/4	Men
8E38=8-R8 1/4	right	8 1/4	8X18=R8 1/4	Men

Operating voltage	6/7.2 V
Opening width	100 mm
Proportional gripping force	15 - 300 mm/sec
Proportional speed	0 - 100 N
Weight with system inner hand	462 g

- The electrodes must be adjusted with the 757M11 MyoBoy®!

Information material

647G1612=ALL_INT	Instructions for use (qualified personnel) | 8E38=8*, 8E39=8*, 8E43=8*
646D321=EN_MASTER	Brochure for technicians – SensorHand Speed / MyoHand VariPlus Speed

8E39=8 **SensorHand Speed**

The SensorHand Speed opens and closes more than twice as fast as other electric hands. It can be controlled easily and precisely. The grip stabilisation system with SUVA sensors reduces the risk of an object slipping out of the hand and being dropped. The FlexiGrip function allows a grasped object to be repositioned in the hand.

Key features

- High gripping force and speed
- Fast and precise gripping
- Automatic shut-off electronics with integrated on-off switch
- With low-friction bevel gear, positive drive unit and system inner hand
- Automatic grip stabilisation system with SUVA* sensors
- FlexiGrip function allows a grasped object to be repositioned in the hand
- An integrated slip clutch makes opening possible in case of emergency

Technical data

Article number	Side	Size	Inner hand	for
8E39=8-L7 1/4	left	7 1/4	8X18=L7 1/4	Women, adolescents
8E39=8-R7 1/4	right	7 1/4	8X18=R7 1/4	Women, adolescents
8E39=8-L7 3/4	left	7 3/4	8X18=L7 3/4	Men
8E39=8-R7 3/4	right	7 3/4	8X18=R7 3/4	Men
8E39=8-L8 1/4	left	8 1/4	8X18=L8 1/4	Men
8E39=8-R8 1/4	right	8 1/4	8X18=R8 1/4	Men

Operating voltage	6/7.2 V
Opening width	100 mm
Proportional gripping force	0 - 100 N
Proportional speed	15 - 300 mm/sec
Weight with system inner hand	462 g

- The electrodes must be adjusted with the MyoBoy (article no. 757M11).

Information material

647G1591=ALL_INT	Instructions for use | 8E38=7, 8E39=7, 8E41=7

8E38=7 **System Electric Hand Digital Twin**

The System Electric Hand Digital Twin with quick-disconnect wrist is suitable for all amputation levels, except wrist disarticulation. It is equipped with the Digital Twin control with a digital and a dual-channel control mode. The desired control mode is selected using the integrated function plug (article no. 13E185).

Key features

- Gripping force and speed determined by muscle signals
- Passive wrist rotation with ratchet lock
- Desired control variant selected with the integrated function plug (article no. 13E185)
- Automatic shut-off electronics with integrated on-off switch
- With low-friction bevel gear, positive back lock and system inner hand
- An integrated slip clutch makes opening possible in case of emergency
- With potentiometer for adjusting the switching threshold (double-channel control)

Technical data

Article number	Side	Size	Inner hand	for
8E38=7-L7 1/4	left	7 1/4	8X18=L7 1/4	Women, adolescents
8E38=7-R7 1/4	right	7 1/4	8X18=R7 1/4	Women, adolescents
8E38=7-L7 3/4	left	7 3/4	8X18=L7 3/4	Men
8E38=7-R7 3/4	right	7 3/4	8X18=R7 3/4	Men
8E38=7-L8 1/4	left	8 1/4	8X18=L8 1/4	Men
8E38=7-R8 1/4	right	8 1/4	8X18=R8 1/4	Men

Operating voltage	6/7.2 V
Opening width	100 mm
Gripping force	90 N
Medium velocity	110 mm/sec
Weight with system inner hand	457 g

- The System Electric Hand Digital Twin can be operated with the MyoEnergy Integral (article no. 757B35=*) or the EnergyPack (article no. 757B20 / 757B21).
- The electrodes must be adjusted with the MyoBoy (article no. 757M11).

Information material

647G1591=ALL_INT	Instructions for use | 8E38=7, 8E39=7, 8E41=7

8E39=7 **System Electric Hand Digital Twin**

The System Electric Hand Digital Twin with lamination ring wrist connection is suitable for wrist disarticulation residual limbs. It is equipped with the Digital Twin control featuring a digital and dual-channel control mode. The desired control mode is selected using the integrated function plug (article no. 13E185).

Key features

- Gripping force and speed determined by muscle signals
- Passive wrist rotation with ratchet lock
- Desired control variant selected with the integrated function plug (article no. 13E185)
- Automatic shut-off electronics with integrated on-off switch
- With low-friction bevel gear, positive back lock and system inner hand
- An integrated slip clutch makes opening possible in case of emergency
- With potentiometer for adjusting the switching threshold (double-channel control)

Technical data

Article number	Side	Size	Inner hand	for
8E39=7-L7 1/4	left	7 1/4	8X18=L7 1/4	Women, adolescents
8E39=7-R7 1/4	right	7 1/4	8X18=R7 1/4	Women, adolescents
8E39=7-L7 3/4	left	7 3/4	8X18=L7 3/4	Men
8E39=7-R7 3/4	right	7 3/4	8X18=R7 3/4	Men
8E39=7-L8 1/4	left	8 1/4	8X18=L8 1/4	Men
8E39=7-R8 1/4	right	8 1/4	8X18=R8 1/4	Men

Operating voltage	6/7.2 V
Opening width	100 mm
Gripping force	90 N
Medium velocity	110 mm/sec
Weight with system inner hand	457 g

- The System Electric Hand Digital Twin can be operated with the MyoEnergy Integral (article no. 757B35=*) or the EnergyPack (article no. 757B20 / 757B21).
- The electrodes must be adjusted with the MyoBoy (article no. 757M11).

Information material

647G1590=ALL_INT	Instructions for use | 8E38=6, 8E39=6, 8E41=6

8E38=6 **System Electric Hand DMC plus**

The System Electric Hand DMC plus with quick-disconnect wrist is suitable for all residual limb lengths except wrist disarticulation. It features a DMC and DMC plus control mode, reducing the risk of opening the hand with unintentional myosignals. Two independent measurement and control systems proportionally control both the gripping speed and gripping force.

Key features

- The gripping speed and gripping force are determined by the strength of the muscle signal
- Desired control variant selected with the integrated function plug (article no. 13E185)
- Automatic shut-off electronics with integrated on-off switch
- With low-friction bevel gear, positive back lock and system inner hand
- An integrated slip clutch makes opening possible in case of emergency
- Suitable for the treatment of adolescents and women

Technical data

Article number	Side	Size	Inner hand	for
8E38=6-R7	right	7	8X18=R7	Women, adolescents
8E38=6-L7	left	7	8X18=L7	Women, adolescents

Operating voltage	6/7.2 V
Opening width	79 mm
Proportional gripping force	0 - 90 N
Proportional speed	15 - 130 mm/sec
Weight with system inner hand	355 g

- The System Electric Hand DMC plus can be operated with the MyoEnergy Integral (article no. 757B35=*) or the EnergyPack (article no. 757B20, 757B21).
- The electrodes must be adjusted with the MyoBoy (article no. 757M11).

Information material

647G1590=ALL_INT	Instructions for use | 8E38=6, 8E39=6, 8E41=6

8E39=6 **System Electric Hand DMC plus**

The System Electric Hand DMC plus with lamination ring wrist connection is suitable for wrist disarticulation. It features a DMC and DMC plus control mode, reducing the risk of opening the hand with unintentional muscle signals. Two independent measurement and control systems proportionally control both the gripping speed and gripping force.

Key features

- Gripping force and speed determined by muscle signals
- Desired control variant selected with the integrated function plug (article no. 13E185)
- Automatic shut-off electronics with integrated on-off switch
- With low-friction bevel gear, positive drive unit and system inner hand
- An integrated slip clutch makes opening possible in case of emergency
- Suitable for the treatment of adolescents and women

Technical data

Article number	Side	Size	Inner hand	for
8E39=6-R7	right	7	8X18=R7	Women, adolescents
8E39=6-L7	left	7	8X18=L7	Women, adolescents

Operating voltage	6/7.2 V
Opening width	79 mm
Proportional gripping force	0 - 90 N
Proportional speed	15 - 130 mm/sec
Weight with system inner hand	355 g

- The electrodes must be adjusted with the MyoBoy (article no. 757M11).

Information material

647G1597=ALL_INT	Instructions for use | 8E44=6, 8E44=7 Transcarpal Hand

8E44=6 **Transcarpal Hand DMC plus**

The Transcarpal Hand DMC plus with lamination plate is suitable for wrist disarticulation to transcarpal residual limbs. It features a DMC and DMC plus control mode, reducing the risk of opening the hand with unintentional muscle signals. Two measurement and control systems proportionally control the gripping speed and gripping force.

Key features

- Gripping force and speed determined by muscle signals
- Desired control variant selected with the integrated function plug (article no. 13E185)
- Automatic shut-off electronics with integrated on-off switch
- With low-friction bevel gear, positive drive unit and system inner hand
- An integrated slip clutch makes opening possible in case of emergency

Technical data

Article number	Side	Size	Inner hand	for
8E44=6-L7 1/4	left	7 1/4	8X24=L7 1/4	Women, adolescents, men
8E44=6-R7 1/4	right	7 1/4	8X24=R7 1/4	Women, adolescents, men
8E44=6-L7 3/4	left	7 3/4	8X24=L7 3/4	Men
8E44=6-R7 3/4	right	7 3/4	8X24=R7 3/4	Men
8E44=6-L8 1/4	left	8 1/4	8X24=L8 1/4	Men
8E44=6-R8 1/4	right	8 1/4	8X24=R8 1/4	Men

Operating voltage	6/7.2 V
Operating temperature	0 to +70 °C
Opening width	100 mm
Proportional gripping force	0 - 90 N
Proportional speed	15 - 130 mm/sec
Weight with system inner hand	308 g

- The electrodes must be adjusted with the 757M11 MyoBoy!
- Compatible prosthetic gloves 8S11N=*;8S12N=*;8S13N=*;8S11=*;8S12=*;8S13=*
- The Transcarpal Hand DMC plus can be operated with the MyoEnergy Integral (article no. 757B35=*) or the EnergyPack (article no. 757B20 / 757B21).

Accessories/spare parts for system electro hands

10S1 **Lamination ring**

Lamination ring for myoelectric prosthetic hands such as the bebionic hand (article no. 8E70), System Electric Hands (article no. 8E38) or System Electric Greifer (article no. 8E33) with a lamination protection cover for bonding.

Technical data

Article number	For hand size
10S1=40	7
10S1=45	7, 7 1/4
10S1=50	7 3/4
10S1=54	8 1/4

9E169 **Coaxial plug**

Four-pin coaxial plug for connecting the two electrodes and the battery for passive rotation together with the coupling piece (article number 10S4) for all MyoBock prosthetic hands and bebionic hands with Quick Disconnect (EQD).

Technical data

Article number
9E169

10S4 **Coupling piece**

Coupling piece with lock ring for passive rotation together with the coaxial plug (article number 9E169) for all MyoBock prosthetic hands and bebionic hands with Electric Quick Disconnect (EQD).

Technical data

Article number	with
10S4	11S4 Lock ring

8X18 **System inner hand**

System inner hand for MyoBock System Electric Hands in the sizes 7, 7 1/4, 7 3/4 and 8 1/4. Energy-saving, lightweight plastic version with partial reinforcement, with wire inserts in the fingers and sealing retainer ring or lock ring.

Technical data

Article number	Side	For hand size	Retaining or lock ring
8X18=L7	left (L)	7	9S15=48
8X18=R7	right (R)	7	9S15=48
8X18=L7 1/4	left (L)	7 1/4	9S187=7 1/4
8X18=R7 1/4	right (R)	7 1/4	9S187=7 1/4
8X18=L7 3/4	left (L)	7 3/4	9S187=7 3/4
8X18=R7 3/4	right (R)	7 3/4	9S187=7 3/4
8X18=L8 1/4	left (L)	8 1/4	9S187=8 1/4
8X18=R8 1/4	right (R)	8 1/4	9S187=8 1/4

8X24 **System inner hand**

System inner hand for Ottobock transcarpal hands in sizes 7 1/4, 7 3/4 and 8 1/4.

Technical data

Article number	Side	For hand size
8X24=L7 1/4	left (L)	7 1/4
8X24=R7 1/4	right (R)	7 1/4
8X24=L7 3/4	left (L)	7 3/4
8X24=R7 3/4	right (R)	7 3/4
8X24=L8 1/4	left (L)	8 1/4
8X24=R8 1/4	right (R)	8 1/4

9S187 **Retainer ring, wide**

Wide lock ring. Compatible with the system inner hand (article number 8X14 and 8X18) and in hand sizes 7 ¼, 7 ¾ and 8.

Technical data

Article number	For hand size
9S187=7 1/4	7 1/4
9S187=7 3/4	7 3/4, 8
9S187=8 1/4	8 1/4

453A1 **Derma Protection ArmComfort**

Derma Protection ArmComfort makes the transition from the forearm socket to the upper arm more visually appealing and provides additional support for the prosthesis. The special polymer gel coating, high elasticity and anatomical fit also improve wearer comfort.

Technical data

Article number	for	Overall length
453A1	Adults	245 mm
453A1=1	Children	160 mm

Information material

647H1658=ALL_INT	Instructions for use (User) | Derma Protection Arm-Comfort

OC1560 **EasyFit Arm donning aid**

The EasyFit Arm donning aid saves time and effort when putting on an arm prosthesis with a valve opening.

Technical data

Article number	Size	Proximal residual limb circumference	Distal residual limb circumference	Residual limb length	Colour	Colour seam
OC1560=KIDS	KIDS	29 cm	15 cm	21 cm	Green	Multi-coloured
OC1560=TR	TR	42 cm	22 cm	25 cm	Green	Orange
OC1560=TH	TH	47 cm	28 cm	34 cm	Green	Dark green

Information material

646D536=EN	OC1560 EasyFit Arm donning aid product information

624Z12 **Special thread**

The special thread is used for sealing the system inner hand (art. no. 8X24) of the Transcarpal Hand DMC plus (art. no. 8E44=6).

Technical data

Article number	For machines
624Z12	8X24 System inner hand

9E388 **Cable seal**

Cable seal for hand cable (article no. 9E53) for the Transcarpal Hand DMC plus (article no. 8E44=6).

Technical data

Article number	for
9E388	9E53 Hand Cable (for the Transcarpal Hand)

502S97=M5 **Hexagon nut**

Hexagon nut with flange for the Transcarpal Hand (article no. 8E44=6).

Technical data

Article number	with
502S97=M5	Flange

8Y1 **Tweezers**

The tweezers are clamped between the fingers of the System Electric Hand so small objects can be gripped with precision.

Technical data

Article number	Suitable for
8Y1	hand sizes 7, 7 1/4, 7 3/4 and 8 1/4

743F1 **Pinch gauge**

The pinch gauge is used to check the gripping force of System Electric Hands.

Technical data

Article number
743F1

Information material

647G571=ALL_INT	Instructions for use (qualified personnel) | 8S4N=*, 8S5N=*, 8S6N=*, 8S11N=*, 8S12N=*, 8S13N=*, 8S20N=*
647H895=ALL_INT	Instructions for use (patient) | 8S4N=*, 8S5N=*, 8S6N=*, 8S11N=*, 8S12N=*, 8S13N=*, 8S20N=*

8S11N **Skin Natural prosthetic glove for men and adolescents**

The Skin Natural prosthetic glove for adolescents and men features a highly natural appearance and improved cleaning characteristics in particular.
The MyoSkin Natural prosthetic glove made of PVC is robust and durable. Thanks to the outer coating, the MyoSkin Natural is less susceptible to dirt and easy to clean. The appearance was based on that of a real hand to achieve a high degree of naturalness. The MyoSkin Natural (article no. 8S11N) is suitable for men.

Key features

- Robust and durable thanks to PVC
- Less susceptible to dirt and easy to clean
- Natural appearance
- Coloured by hand

Technical data

Article number	Side	For hand size	Inner hand	Sleeve length	Metacarpal circumference	Middle finger length	for
8S11N=225X80L	left (L)	8 1/4	8X18=L8 1/4 8X24=L8 1/4	350 mm	225 mm	80 mm	8X18=L8 1/4, 8X24=L8 1/4
8S11N=210X78L	left (L)	7 3/4	8X18=L7 3/4 8X24=L7 3/4	320 mm	210 mm	78 mm	8X18=L7 3/4, 8X24=L7 3/4
8S11N=190X76L	left (L)	7 1/4	8X18=L7 1/4 8X24=L7 1/4	300 mm	190 mm	76 mm	8X18=L7 1/4, 8X24=L7 1/4
8S11N=225X80R	right (R)	8 1/4	8X18=R8 1/4 8X24=R8 1/4	350 mm	225 mm	80 mm	8X18=R8 1/4, 8X24=R8 1/4
8S11N=210X78R	right (R)	7 3/4	8X18=R7 3/4 8X24=R7 3/4	320 mm	210 mm	78 mm	8X18=R7 3/4, 8X24=R7 3/4
8S11N=190X76R	right (R)	7 1/4	8X18=R7 1/4 8X24=R7 1/4	300 mm	190 mm	76 mm	8X18=R7 1/4, 8X24=R7 1/4

- Available in seven different shades.
- Please use the Skin Natural colour sample set (article no. 646M47) to determine the colour.
- Order example: 8S11=210X78L (standard glove) / 8S11N=210X78L (Skin Natural glove)
- The entire Skin Natural colour palette is produced with seven colours. The colour sample set (article no. 646M47) helps with determining the right colour.

Information material

647G571=ALL_INT	Instructions for use (qualified personnel) | 8S4N=*, 8S5N=*, 8S6N=*, 8S11N=*, 8S12N=*, 8S13N=*, 8S20N=*
647H895=ALL_INT	Instructions for use (patient) | 8S4N=*, 8S5N=*, 8S6N=*, 8S11N=*, 8S12N=*, 8S13N=*, 8S20N=*

8S12N **MyoSkin Natural**

The MyoSkin Natural prosthetic glove made of PVC is robust and durable. Thanks to the outer coating, the MyoSkin Natural is less susceptible to dirt and easy to clean. The appearance was based on that of a real hand to achieve a high degree of naturalness. The MyoSkin Natural (article no. 8S12N) is suitable for women.

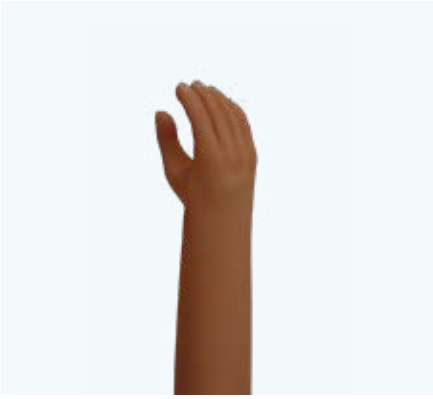
Key features

- Robust and durable thanks to PVC
- Less susceptible to dirt and easy to clean
- Natural appearance
- Coloured by hand

Technical data

Article number	Side	For hand size	Inner hand	Sleeve length
8S12N=190X78L	left (L)	7 1/4	8X18=L7 1/4 8X24=L7 1/4	460 mm
8S12N=190X78R	right (R)	7 1/4	8X18=R7 1/4 8X24=R7 1/4	460 mm

- Available in seven different shades.
- Please use the Skin Natural colour sample set (article no. 646M47) to determine the colour.
- Order example: 8S12=190X78L (standard glove) / 8S12N=190X78L (Skin Natural glove)



Information material

647G571=ALL_INT	Instructions for use (qualified personnel) | 8S4N=*, 8S5N=*, 8S6N=*, 8S11N=*, 8S12N=*, 8S13N=*, 8S20N=*
647H895=ALL_INT	Instructions for use (patient) | 8S4N=*, 8S5N=*, 8S6N=*, 8S11N=*, 8S12N=*, 8S13N=*, 8S20N=*

8S13N **MyoSkin Natural**

The MyoSkin Natural prosthetic glove made of PVC is robust and durable. Thanks to the outer coating, the MyoSkin Natural is less susceptible to dirt and easy to clean. The appearance was based on that of a real hand to achieve a high degree of naturalness. The MyoSkin Natural (article no. 8S13N) is suitable for adolescents and women.

Key features

- Robust and durable thanks to PVC
- Multilayer structure with depth effect for a vivid appearance
- The material with its coloured fibres simulates the natural vein structure of human skin
- Less susceptible to dirt and easy to clean
- Coloured by hand

Technical data

Article number	Side	For hand size	Inner hand	Sleeve length
8S13N=7L	left (L)	7	8X18=L7	280 mm
8S13N=7R	right (R)	7	8X18=R7	280 mm

- Dirt can be removed with soap and water, while the special cleaner (article no. 640F12) is used for stubborn stains.
- Nail polish can be applied to the fingernails and removed with acetone-free nail polish remover.
- Available in seven different shades.
- Please use the Skin Natural colour sample set (article no. 646M47) to determine the colour.
- Order example: 8S13=7L (standard glove) / 8S13N=7L (Skin Natural glove)

Information material

647G468=ALL_INT	Instructions for use (qualified personnel) | 8S4=*, 8S5=*, 8S6=*, 8S11=*, 8S12=*, 8S13=*, 8S20=*
647H1258=ALL_INT	Instructions for use (user) | 8S4, 8S5, 8S6, 8S11, 8S12, 8S13, 8S20

8S11 **Prosthetic glove for adolescents and men**

Made of robust PVC material, the prosthetic glove for adolescents and men features a natural appearance and flexibility. It protects the MyoBock hand against environmental influences such as dust, dirt and moisture.

Technical data

Article number	Side	For hand size	Inner hand	Sleeve length	Metacarpal circumference
8S11=190X76L	left (L)	7 1/4	8X18=L7 1/4 8X24=L7 1/4	300 mm	190 mm
8S11=190X76R	right (R)	7 1/4	8X18=L7 1/4 8X24=L7 1/4	300 mm	190 mm
8S11=210X78L	left (L)	7 3/4	8X18=L7 3/4 8X24=L7 3/4	320 mm	210 mm
8S11=210X78R	right (R)	7 3/4	8X18=R7 3/4 8X24=R7 3/4	320 mm	210 mm
8S11=225X80L	left (L)	8 1/4	8X18=L8 1/4 8X24=L8 1/4	350 mm	225 mm
8S11=225X80R	right (R)	8 1/4	8X18=R8 1/4 8X24=R8 1/4	350 mm	225 mm

- Available in 18 different shades.
- When ordering, please add the colour code according to the colour sample set (article no. 646M3) to the article number.
- Order example: 8S11=190X76L4
- Available in 18 different shades. When ordering, please add the colour sample set according to the 646M3 colour swatches to the end of the article number.

Information material

647G468=ALL_INT	Instructions for use (qualified personnel) | 8S4=*, 8S5=*, 8S6=*, 8S11=*, 8S12=*, 8S13=*, 8S20=*
647H1258=ALL_INT	Instructions for use (user) | 8S4, 8S5, 8S6, 8S11, 8S12, 8S13, 8S20

8S12 **Prosthetic glove for women**

Made of robust PVC material, the prosthetic glove for women features a natural appearance and flexibility. It protects the MyoBock hand against environmental influences such as dust, dirt and moisture.

Key features

- Inconspicuous thanks to its natural appearance, especially for women
- Protects the MyoBock hand against environmental influences such as dust, dirt and moisture
- Made of robust PVC material
- Available in 18 different colours

Technical data

Article number	Side	For hand size	Inner hand	Sleeve length
8S12=190X78R	left (L)	7 1/4	8X18=L7 1/4 8X24=L7 1/4	460 mm
8S12=190X78R	right (R)	7 1/4	8X18=R7 1/4 8X24=R7 1/4	460 mm

- Available in 18 different shades.
- When ordering, please add the colour code according to the colour sample set (article no. 646M3) to the article number.
- Order example: 8S12=190x78L4

Information material

647G468=ALL_INT	Instructions for use (qualified personnel) | 8S4=*, 8S5=*, 8S6=*, 8S11=*, 8S12=*, 8S13=*, 8S20=*
647H1258=ALL_INT	Instructions for use (user) | 8S4, 8S5, 8S6, 8S11, 8S12, 8S13, 8S20

8S13 **Prosthetic glove for children and adolescents**

Made of robust PVC material, the prosthetic glove for women and adolescents features a natural appearance and flexibility. It protects the MyoBock hand against environmental influences such as dust, dirt and moisture.

Key features

- Inconspicuous thanks to its natural appearance
- Protects the MyoBock hand against environmental influences such as dust, dirt and moisture
- Made of robust PVC material
- Available in 18 different colours

Technical data

Article number	Side	For hand size	Inner hand	Sleeve length
8S13=7L	left (L)	7	8X18=L7	280 mm
8S13=7R	right (R)	7	8X18=R7	280 mm

- Available in 18 different shades.
- When ordering, please add the colour code according to the colour sample set (article no. 646M3) to the article number.
- Order example: 8S13=7L4

88A15 **MySkin Myo**

With the MySkin Myo cover, you can offer your users the perfect combination of aesthetics and functionality. Silicone is applied by hand in multiple layers, replicating the user's anatomy and skin colour as closely as possible.

The MySkin Myo cover is tailored to the 8E38, 8E39 and 8E41 Myo Bock prosthesis solutions.

Key features

- Flexible in the moveable regions of the hand and stable in the transition zone to the prosthetic socket
- Cover fits perfectly to protect against moisture and dirt
- Secure, firm grip due to the non-slip material characteristics of the silicone
- Natural appearance and impression of depth due to the multi-layered silicone structure
- Easy to clean with soap and water

Information material

646D1473=EN_MASTER	Product brief – MySkin Myo
646D1274=EN_HQ	Information for technicians – MySkin Myo
647F621=EN_MASTER	Order form | MySkin Myo
647G1346=ALL_INT	Instructions for use | 88A15=* MySkin Myo
647F285=GB	Technician brochure | Colour determination

Technical data

Article image	Article number	Description	Product features
	88A15=2	MySkin Myo "Classic"	· Anatomical reconstruction of the hand shape, compatible with the terminal device · Custom 3-colour silicone cover · Anatomical surface structure · Multicolour silicone fingernails
	88A15=3	MySkin Myo "Natural"	· Anatomical reconstruction of the hand shape, compatible with the terminal device · Custom 6-8-colour silicone cover · Anatomical surface structure · Recreation of veins and skin pigmentation · Multicolour silicone fingernails

· The MyoBock prosthesis solutions are available in an range of variants.

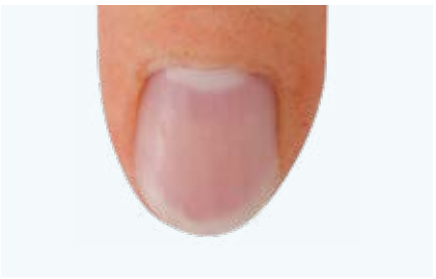
Recommended system solution		
	8E41=9	MyoHand VariPlus Speed
	8E38=8	SensorHand Speed
	8E38=9	MyoHand VariPlus Speed

Customised products from Ottobock iFab

Ottobock iFab is an extended workbench that serves as your reliable partner for the centralised fabrication of custom devices in orthotics and prosthetics in the era of digital transformation.

For information about iFab products, or if you have questions or comments, please contact us: ifab@ottobock.com

Ordering options

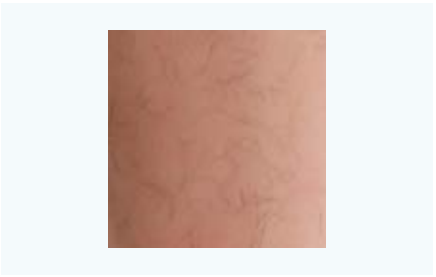


88A2=S **Multicoloured silicone nails for “Classic” and “Natural”**

Silicone nails for silicone partial hand prosthesis

Technical data

Article number
88A2=S



88A20=H **Hair**

Implementation of real hair as on the contralateral side is possible on request, matching the colour, length, shape and thickness.

Technical data

Article number
88A20=H

88A20=T **Tattoo for silicone prostheses**

Implementation of special requests, such as applying a tattoo.

Technical data

Article number
88A20=T

Accessories/spare parts

89D4/89D5 **Colour determination ring**

Colour determination ring for custom prostheses and silicone covers.

Key features

- The colour determination ring helps you determine your patient‘s skin colour

Technical data

Article number
89D4

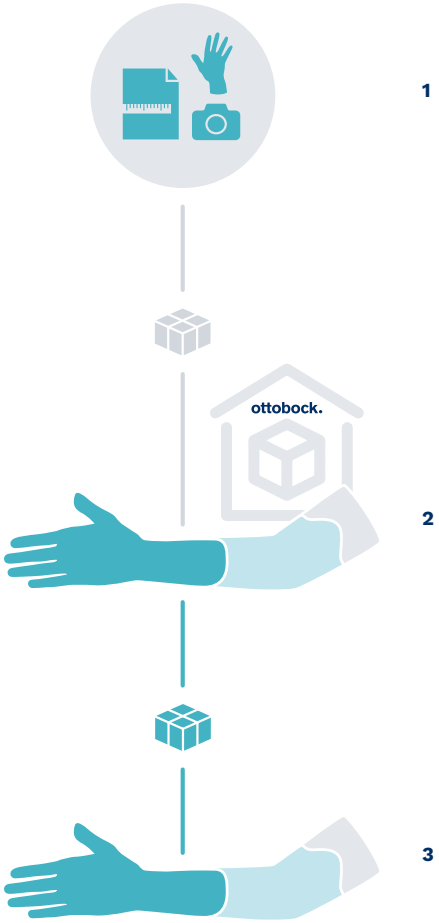
MySkin Myo.
iFab Ordering process.

1 Measure the patient's contralateral side and complete the measurement form. In addition, please make a cast and take photos of the contralateral side and the prosthetic socket to the metacarpus. Please determine the colour depending on the cover version with help of the colour sheet (647F285=GB) and the colour determination ring (89D4).

Please send
- the measurement form
- documents specifying the colour
- detailed plaster bandage from the exterior prosthetic socket to the metacarpus
- Impresil cast of the contralateral side and
- photos on the colour specification sheet to iFab.

2 iFab will fabricate the definitive silicone cover for you and ship it within 10 working days.

3 You receive an easy to clean, functional silicone cover that helps restore your patient's outward appearance.



The cover is available in the sizes 7 1/4, 7 3/4 and 8 1/4 of the 8E38=*, 8E39=* and 8E41=* Myo terminal devices.

Instructions for determining the colour can be found on Ottobock's YouTube channel: Custom silicone products – Colour determination

www.ottobock.com

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MySkin Myo.
iFab Order form.

Contact person | Customer no. | Date

Patient ID | Order number

Customer

Company

Street

Postal code | City

Email

Shipping address (if different from customer address)

Company

Street

Postal code | City

Customer order number

Age: .....

Gender ○ Female ○ Male

Affected side ○ Left ○ Right

Myo terminal device ○ 8E38* ○ 8E39* ○ 8E41*

Hand size ○ 7 1/4 ○ 7 3/4 ○ 8 1/4

Active rotation ○ Yes* ○ No

*With active rotation, the maximum length of the cover from the wrist is 10 cm.

Configuration

- ○ **88A15=2** MySkin Myo Classic
- ○ **88A15=3** MySkin Myo Natural

Surcharge items

- ○ **88A20=H** Genuine arm hair (from contralateral side)
- ○ **88A20=T** Tattoo (Implementation on special request)

Scope of delivery

- ○ Complete checklist
- ○ Colour determination as per colour determination sheet
- ○ Impresil cast of the contralateral side
- ○ Detailed cast WITHOUT standard glove with plaster longuette from prosthetic outer socket to metacarpus including thumb base
- ○ Photos on colour determination sheet

Please enter any comments or special technical characteristics of the prosthesis

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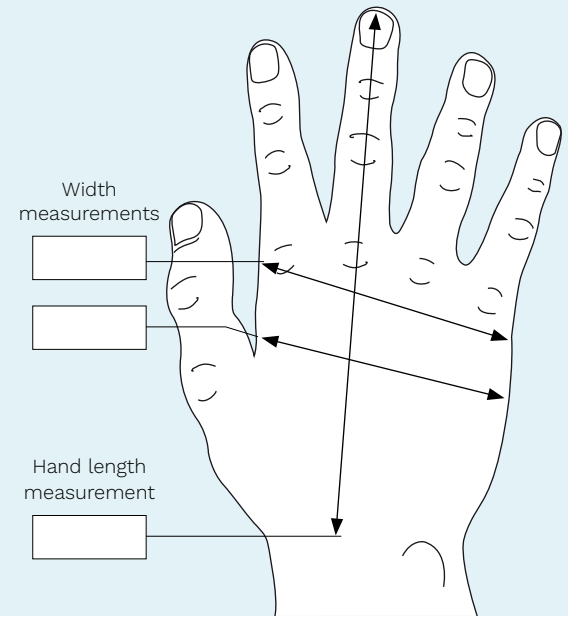
MySkin Myo.
iFab Measurement form.

Contact person	Customer no.	Date
Patient ID	Order number	

Measurement form contralateral and amputated side

Please reproduce the anatomical shape of the arm in the prosthesis, noting that the prosthesis circumference should be approx. 12–14 mm smaller than the contralateral side.

To be filled in by the O&P professional (mm)



Finger measurements (mm)

D	I	II	III	IV	V
DIP (circumference)					
PIP-DIP (circumference)					
MCP-PIP (circumference)					

Comments: .....

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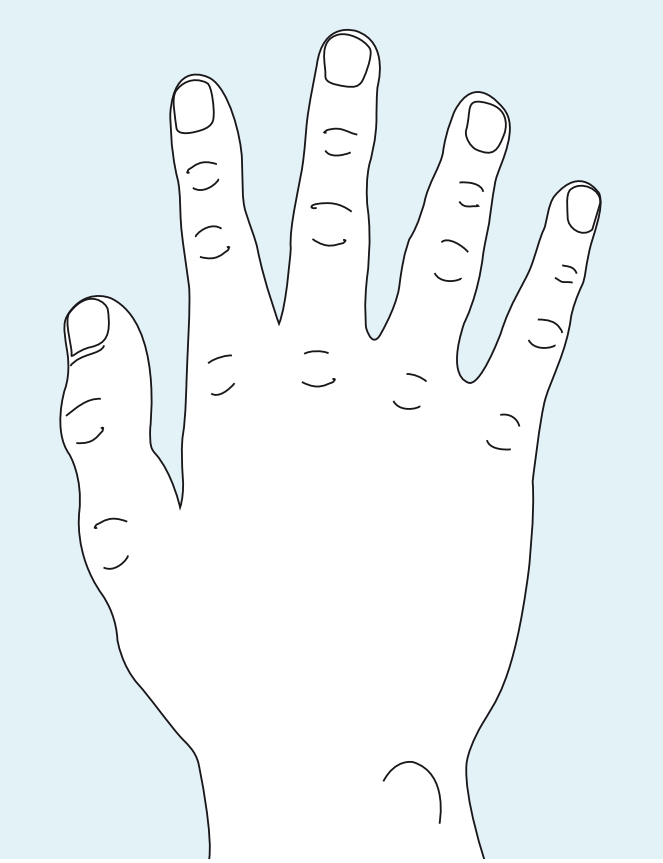
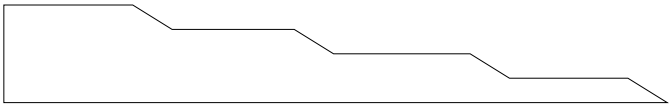
MySkin Myo.
iFab colour determination sheet.

Contact person	Customer no.	Date
Patient ID	Order number	



Colour sample – colour strength

Use pen to mark skin colours on the sketch



IV **III*** **II** **I**

Pen	Colour sample	Colour strength
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Model blood vessels ● Yes ● No

*Use thickness III for the primer.

● Silicone Nails

Nail length

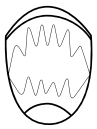
● Like photo

● ..... mm longer

Nail shape

● ●

Colour



Nail tip	
Distal edge	
Central	
Proximal edge	
Moon	

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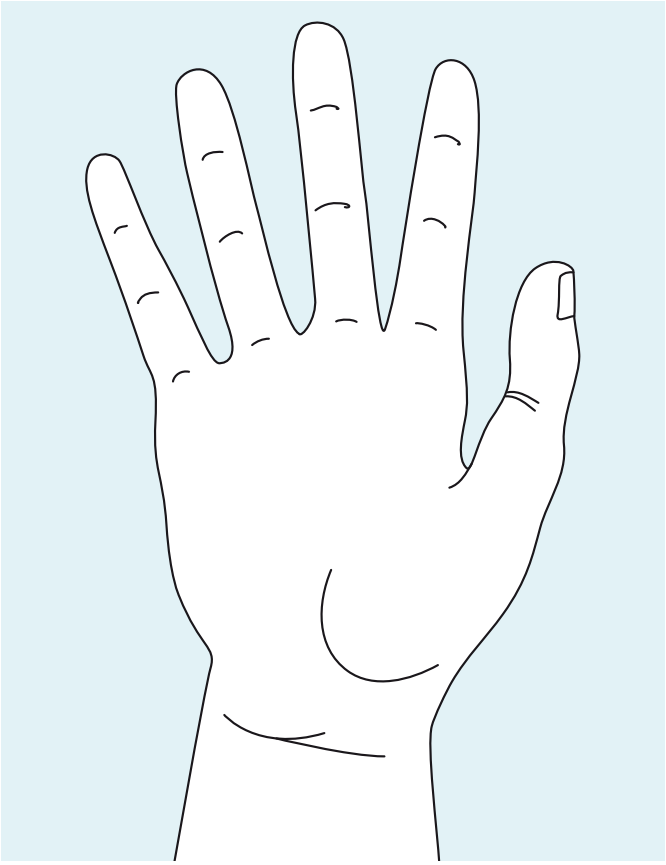
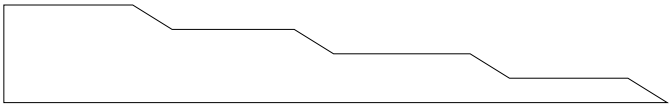
MySkin Myo.
iFab colour determination sheet.

Contact person	Customer no.	Date
Patient ID	Order number	



Colour sample – colour strength

Use pen to mark skin colours on the sketch



IV **III*** **II** **I**

Pen	Colour sample	Colour strength
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

*Use thickness III for the primer.

Comments: .....

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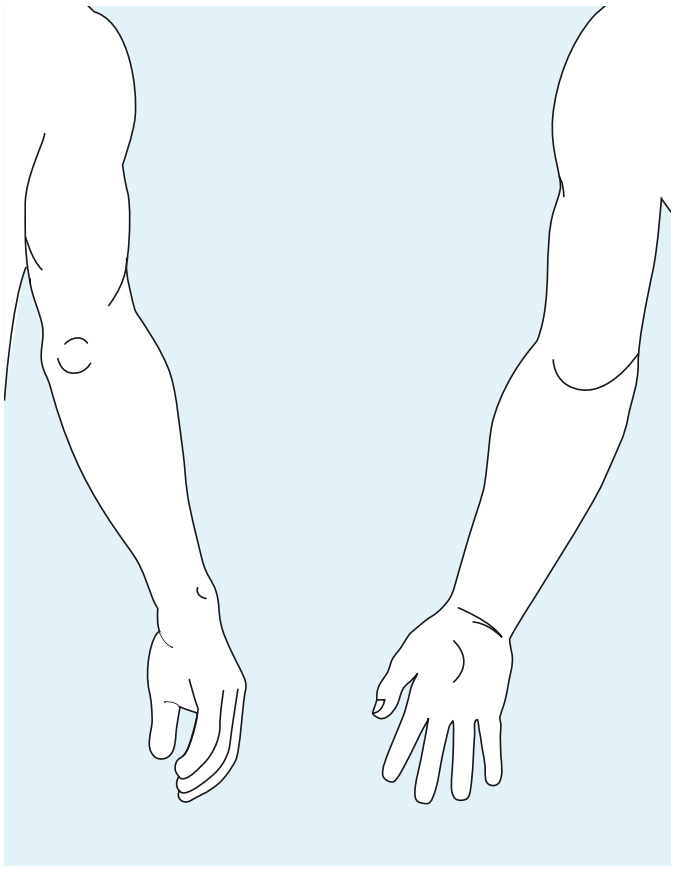
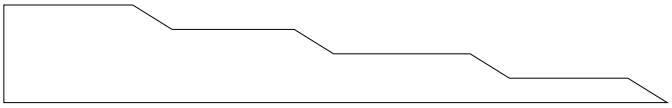
MySkin Myo.
iFab colour determination sheet.

Contact person	Customer no.	Date
Patient ID	Order number	



Colour sample – colour strength

Use pen to mark skin colours on the sketch



IV **III*** **II** **I**

Pen	Colour sample	Colour strength
1		
2		
3		
4		
5		
6		

*Use thickness III for the primer.

Comments: .....

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Accessories/spare parts for prosthetic gloves

640F12 **Special cleaner**

In case of heavy soiling, the special cleaner for prosthetic gloves should be applied immediately.

Technical data

Article number	for	Contents
640F12	Prosthetic gloves	460 g

- Special cleaner (640F12) should not be used on silicone gloves.

640F13 **Pump sprayer**

The user should always keep a pump sprayer filled with special cleaner for prosthetic gloves handy in order to be able to use the cleaner immediately in case of soiling.

Technical data

Article number	for	Contents
640F13	640F12 Special cleaner	90 g

- This container is empty on delivery!

640F18 **Donning spray**

The donning spray for Ottobock Skeo liners and prosthetic gloves (silicone, PVC) is needed among other things for putting on and removing the liner or prosthetic glove.

Technical data

Article number	for	Contents
640F18	Prosthetic gloves and liners	90 ml
640F18=900	Prosthetic gloves and liners	900 ml

Information material

647G1274=ALL_INT	Instructions for use (qualified personnel) | 8E33=*, 8E34=*
647H913=ALL_INT	Instructions for use (user)| 8E33=*, 8E34=*

8E33 **System Electric Greifer DMC VariPlus**

The DMC VariPlus System Electric Greifer with quick-disconnect wrist is suitable for all amputation levels, except wrist disarticulation. The Electric Greifer supports manual tasks such as powerful and precise gripping as well as handling heavy objects. Six programs can be configured using the MyoSelect (article no. 757T13)

Key features

- Suitable for manual tasks and powerful as well as precise gripping
- Can be flexed by about 45° in both directions to avoid compensating movements
- Choice of various fingertips
- Easy switching between System Electric Hand and System Electric Greifer
- With LED light featuring three dimmer settings to illuminate the work area
- Six different programs can be selected with the MyoSelect (article no. 757T13)

Technical data

Article number	Operating voltage	Opening width	Proportional gripping force	Proportional speed	Weight
8E33=9-1	6/7.2 V	95 mm	0 - 160 N	8-200 mm/sec	540 g

- The electrodes must be adjusted with the MyoBoy (article no. 757M11)!

Information material

647G1274=ALL_INT	Instructions for use (qualified personnel) | 8E33=*, 8E34=*
647H913=ALL_INT	Instructions for use (user)| 8E33=*, 8E34=*

8E34 **System Electric Greifer DMC VariPlus**

The DMC VariPlus System Electric Greifer with lamination ring wrist connection is suitable for wrist disarticulation residual limbs. The Electric Greifer supports manual tasks such as powerful and precise gripping as well as handling heavy objects. Six programs can be configured using the MyoSelect (article no. 757T13).

Key features

- Suitable for manual tasks and powerful as well as precise gripping
- Can be flexed by about 45° in both directions to avoid compensating movements
- Choice of various fingertips
- Easy switching between System Electric Hand and System Electric Greifer
- With LED light featuring three dimmer settings to illuminate the work area
- Six different programs can be selected with the MyoSelect (article no. 757T13)

Technical data

Article number	Operating voltage	Opening width	Proportional gripping force	Proportional speed	Weight
8E34=9-1	6/7.2 V	95 mm	0-160 N	8-200 mm/sec	520 g

- The electrodes must be adjusted with the 757M11 MyoBoy!

10V38 **MyoWrist transcarpal**

The MyoWrist Transcarpal enables flexion and extension of a myoelectrically controlled Transcarpal hand (article no. 8E44). Can be locked in five positions from -40° to +40°. Passive pronation and supination are possible thanks to the quick-disconnect wrist unit. It can be combined with an electric rotator (article no. 10S17) as an option.

Key features

- Suitable for the Transcarpal Hand (article no. 8E44)
- Five available locking positions from -40° to +40°
- Passive pronation and supination are possible thanks to the quick-disconnect wrist
- Electric motor driven pronation and supination are possible with the optional electric wrist rotator (article no. 10S17)

Technical data

Article number	Side	Outside Ø	Overall length	Weight
10V38=L7 1/4	left	36 mm	24.7 mm	85 g
10V38=L7 3/4	left	36 mm	24.7 mm	87 g
10V38=L8 1/4	left	36 mm	24.7 mm	89 g
10V38=R7 1/4	right	36 mm	24.7 mm	85 g
10V38=R7 3/4	right	36 mm	24.7 mm	87 g
10V38=R8 1/4	right	36 mm	24.7 mm	89 g

- For prostheses for long residual limbs, the MyoWrist Transcarpal is connected to the chassis with the quick-disconnect wrist (article no. 9S266).
- A combination with the endoskeletal adapter (article no. 8R1) is recommended for prostheses for short or medium-length residual limbs.
- Passive pronation and supination are possible in both cases thanks to the quick-disconnect wrist. In many cases, pronation and supination driven by an electric motor in combination with the optional electric wrist rotator (article no. 10S17) is also a suitable option.
- When the MyoWrist Transcarpal is used without an endoskeletal adapter, the following items must be ordered in addition: coaxial bushing (article no. 9E397*) and chassis (article no. 9S266) with quick-disconnect wrist.

Information material

647G351=ALL_INT	Instructions for use | 10V38=*

10V40 **MyoWrist 2act**

The MyoWrist 2Act flexion wrist was developed especially for all variants of the System Electric Hands with threaded stud (article no. 8E41=*) to achieve a low structural height of the overall system. Flexion and extension can be locked in 20° increments from -40° to + 40°. Passive or active rotation is possible.

Key features

- Suitable for System Electric Hands with threaded stud (article no. 8E41=*)
- Five available locking positions from -40° to +40°
- Passive pronation and supination are possible thanks to the quick-disconnect wrist
- Electric motor driven pronation and supination are possible with the optional MyoRotronic (article no. 13E205)

Technical data

Article number	Outside Ø	Overall length	Weight
10V40	36 mm	26 mm	55 g

- The MyoWrist 2Act is suitable for hand sizes 7, 7 ¼, 7 ¾ and 8 ¼ and can be used on both sides.
- The MyoWrist 2Act is unlocked by pressing the release button. The integrated grating holds the hand in the desired position until it is locked and facilitates exact positioning. Flexion and extension are passive. When the release button is no longer pressed, the joint locks again.

Information material

647G459=ALL_INT	Instructions for use | 10V40 MyoWrist 2Act

Accessories/spare parts for 10V38, 10V40

9S266 **Chassis with quick-disconnect wrist**

Chassis with integrated quick-disconnect wrist unit.

Technical data

Article number	with
9S266	Quick-disconnect wrist

9E397 **Coaxial bushing**

Coaxial bushing for installation with the MyoWrist Transcarpal (article no. 10V38), MyoWrist2Act (article no. 10V40) or endoskeletal adapter (article no. 8R1).

Technical data

Article number	Control device
9E397=7	Coaxial bushing (DMC plus)
9E397=8	Digital Twin control
9E397=9	SensorHand Speed control
9E397=10	VariPlus Speed control

9E167 **Cable connector**

Connector to connect the coaxial bushing (article no. 9E397) to the DMC plus and Digital Twin control electronics.

Technical data

Article number	for	Control device
9E167	9E53 and 9E168 Coaxial Bushing	Coaxial bushing (DCM plus) and Digital Twin control

9S110 **Lamination ring**

Lamination ring for laminating all System Electric Hands (article no. 8E39) or System Electric Greifers (article no. 8E34).

Technical data

Article number	For hand size
9S110=50	7, 7 1/4, 7 3/4, System-Elektrogreifer 8E34=*
9S110=54	8 1/4

9S258 **Lamination plate**

Lamination plate for transcarpal hand (article no. 8E44).

Technical data

Article number	Side	For hand size
9S258=L7 1/4	left	7 1/4
9S258=L7 3/4	left	7 3/4
9S258=L8 1/4	left	8 1/4
9S258=R7 1/4	right	7 1/4
9S258=R7 3/4	right	7 3/4
9S258=R8 1/4	right	8 1/4

10S17 **Electric wrist rotator**

The electric wrist rotator controls the pronation and supination of the System Electric Hand or System Electric Greifer with quick-disconnect wrist unit. Rotation of more than 360° and the combination with the MyoRotronic (article no. 13E205) are possible.

Key features

- Suitable for System Electric Hands and Electric Greifers with quick-disconnect wrist
- Combination with the MyoRotronic (article no. 13E205) is possible
- Control with the harness pull switch (article no. 9X14), cable pull switch (article no. 9X18) or rocker switch (article no. 9X25) is possible

Information material

647G1587=ALL_INT	Instructions for use | 10S17

Technical data

Article number	Operating voltage	No-load current	Approx. stall current	Idle speed	Angle of rotation	Corresponds to a rotation angle of	Weight
10S17	6/7.2 V	150 kg (330 lbs) mA	1,000 mA	13.5 rpm	360 °	81 °/sec	96 g

Information material

647G361	Instructions for use | 13E205

13E205 **MyoRotronic**

The MyoRotronic enables control of the electric wrist rotator (article no. 10S17) and is compatible with all MyoBock System Electric Hands and System Electric Greifers with quick-disconnect wrist unit. Five programmes can be selected using the MyoSelect (article no. 757T13).

Key features

- Control element for electric wrist rotator (article number 10S17)
- Five different programs can be selected with the MyoSelect (article number 757T13)
- Controlled by one or two electrodes (article number 13E200 / article number 13E202) or a combination of one electrode and one linear control element (article number 9X50 / 9X52)

Technical data

Article number	Power supply	Static current	Operating temperature	Power off
13E205	757B35 MyoEnergy Integral (7.4 V), 757B20 / 757B21 EnergyPack (7.2 V)	1 mA	0 to +70 °C	Load dependent between 30 ms and 10 s

- Rotation can be deactivated using the connection cable (article number 9X24).
- The MyoSelect (article number 757T13) is required for program selection and adjustment of the MyoRotronic.
- The distance between the residual limb end and wrist must be at least 65 mm when using the MyoRotronic and the electric wrist rotator (article number 10S17).

9X24 **Connection cable**

The connection cable with female connector is used to deactivate rotation when using the MyoRotronic (article no. 13E205).

Technical data

Article number
9X24

- Only possible in program 1 of four-channel control.

Information material

647H501	Endoskeletal adapter IFU (qualified personnel)

8R1 **Endoskeletal adapter**

The endoskeletal adapter is suitable for treating long and short residual limbs in combination with the transcarpal hand (article no. 8E44), which is a particularly short and lightweight hand with locking unit.

Key features

- Suitable as a particularly short and lightweight hand in combination with the Transcarpal Hand (article no. 8E44)
- Weight reduction by approx. 20% without functional limitations
- Length reduction by up to 15%
- Additional relief of quick-disconnect mechanism due to proximal positioning

Technical data

Article number	Side
8R1=L7 1/4	left
8R1=L7 3/4	left
8R1=L8 1/4	left
8R1=R7 1/4	right
8R1=R7 3/4	right
8R1=R8 1/4	right

13E200 **Electrode**

This MyoBock electrode is particularly sensitive in the range of low muscle signals. Thanks to modern frequency shielding and filtering technologies, it is also less sensitive to low and high-frequency interference that is emitted, for example, by mobile phones or shopping centre security systems.

Key features

- Reduces sensitivity to low and high-frequency interference
- Filters noise
- Electrode contacts made of pure titanium and suitable for people with allergies
- Electrode connection with IDC termination

Technical data

Article number	Mains frequency	Frequency bandwidth	Ambient temperature	Operating voltage
13E200=50	50 Hz	90 - 450 Hz	-15 to +60 °C	4.8 - 7.2 V
13E200=60	60 Hz	90 - 450 Hz	-15 to +60 °C	4.8 - 7.2 V

- Use silicone grease (article no. 633F11) to seal the plug connection. Remove any excess grease after connecting the electrode cable.
- The frequency filter's full protection effect will only be provided if the mains frequency and filter frequency are identical.
- The electrode accessories for laminated inner sockets (article number 13E153) and for vacuum-formed inner sockets (article number 13E201) are included in the scope of delivery.

Information material

647G1609=ALL_INT	Instructions for use (qualified personnel) | 13E200

13E202 **Suction socket electrode**

This generation of electrodes is based on the familiar 13E200 electrode. Embedded into a suspension made of elastic material, this electrode creates an airtight seal between the inner socket and outer socket. If used correctly, this prevents perspiration from penetrating between the inner and outer socket.

Key features

- Airtight seal between the inner and outer socket
- Reduces sensitivity to low and high-frequency interference
- Filters noise
- Electrode contacts made of pure titanium and suitable for people with allergies
- Electrode connection with IDC termination

Technical data

Article number	Mains frequency	Frequency bandwidth	Ambient temperature	Operating voltage
13E202=50	50 Hz	90 - 450 Hz	-15 to +60 °C	4.8 - 7.2 V
13E202=60	60 Hz	90 - 450 Hz	-15 to +60 °C	4.8 - 7.2 V

- Use silicone grease (article no. 633F11) to seal the plug connection. Remove any excess grease after connecting the electrode cable.
- The suction socket electrode can not only be used for standard sockets but is also particularly suitable for application in elevated vacuum sockets. Combining the suction socket electrode with a tube valve (article no. 12V10) for an elevated vacuum socket creates a vacuum effect in the socket, optimising the hold of the residual limb in the socket.
- The frequency filter's full protection effect will only be provided if the mains frequency and filter frequency are identical.
- The electrode accessories (article number 13E206) are included in the scope of delivery.
- Tube valve (article number 12V10) can be ordered separately.

Information material

647G334=ALL_INT	Instructions for use (qualified personnel) | 13E202

Accessories/spare parts for 13E200, 13E202

13E206 **Electrode accessory set**

Suitable for suction socket electrodes (article no. 13E202).

Technical data

Article number	for
13E206	13E202 Suction Socket Electrode

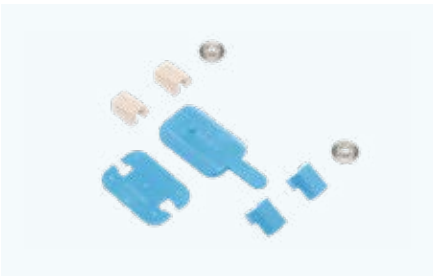
13E153 **Electrode accessories**

Suitable for laminated inner sockets with electrode (article no. 13E200).

Technical data

Article number	for
13E153	Laminated inner sockets with 13E200 electrode

- Use an Allen wrench (article no. 709S10=2) for socket screws (article no. 503F3).



13E201 **Electrode accessories**

Suitable for vacuum-formed inner sockets with electrode (article no. 13E200).

Technical data

Article number	for
13E201	vacuum-formed inner sockets with 13E200 Electrode

- Only available as a set. The electrode mounting bracket (article no. 13E172) and the setting nuts (article no. 29C5=M4X9) can also be ordered individually.

13E135 **Electrode mounting bracket set**

The electrode mounting bracket set is intended for positioning and assembling electrodes (article no. 13E200) on the interim plaster or ThermoLyn socket (article no. 616T52 or 616T53).

Technical data

Article number	for
13E135	13E200 Electrodes

13E129 **Electrode cable with straight plug and plug connector**

Electrode cable for connecting an electrode or control element with other prosthetic components.

Technical data

Article number	Length
13E129=G100	100 mm
13E129=G300	300 mm
13E129=G600	600 mm
13E129=G1000	1,000 mm

757B35 **MyoEnergy Integral**

The MyoEnergy Integral is an integrated power supply system for the MyoBock system. The charging receptacle indicates the current charge level using LEDs and allows the prosthesis to be switched on and off and opened in an emergency.

Key features

- Charging receptacle indicates the current charge level
- Battery consists of two cells with different capacities
- Thanks to an integrated magnet, the charging plug can be easily attached to the charging receptacle
- The special contour of the charging receptacle and charging plug assures quick, reliable positioning of the two components
- Suitable for the treatment of adults and children

Technical data

Article number	Capacity	Output voltage	Charging time	Technology	Size
757B35=0	300 mAh	7.4 V	2 h	Lithium polymer	35 x 20 x 20 mm
757B35=1	600 mAh	7.4 V	2.5 h	Lithium polymer	52 x 25 x 9 mm
757B35=3	1,150 mAh	7.4 V	2.5 h	Lithium-ion	52 x 36 x 9 mm
757B35=4	2.350 mAh	7,4V	3 h	Lithium-Ionen	60 x 35 x 11 mm
757B35=5	3,450 mAh	7.4 V	3 h	Lithium-ion	79.5 x 20 mm

- You can order the dummy set for the 757B35=* under article no. 757Z276=*.

Information material

647G1402=ALL_INT	Instructions for use (qualified personnel) | 757B35=*

757L35 **MyoCharge Integral**

The MyoCharge Integral is used to charge the MyoEnergy Integral integrated into the socket by simply connecting the charging plug to the charging receptacle on the outside of the socket. The integrated magnet and the special contour of the charging plug and charging receptacle ensure the quick and reliable positioning of both components.

Key features

- Integrated magnet for securing the charging plug to the charging receptacle
- The special contour of the charging plug and charging receptacle ensures quick and reliable positioning
- LEDs display the current battery capacity
- Suitable for all variants of the MyoEnergy Integral

Technical data

Article number	Operating temperature	Storage temperature	Supply voltage	Mains frequency
757L35	0 to +60 °C	-20 to +60 °C	100 - 240 V	50 -60 Hz

- The MyoCharge Integral can be used for all variants of the 757B35=0, 757B35=1, 757B35=3, 757B35=4 and 757B35=5 MyoEnergy Integral.

Information material

647G534=ALL_INT	Instructions for use (qualified personnel) | 757L35

Accessories

757L43	USB adapter for charging

Accessories/spare parts for 757B35, 757L35

757L20 **Li-ion charger**

The Li-ion charger is used for charging one or two EnergyPacks (article no. 757B20/757B21). The housing is made of impact-resistant plastic material, including universal power supply (article no. 757L16-4) with EU and additional US plug. The design conforms to recommended standards, protection class II.

Technical data

Article number	Operating temperature	Mains frequency	Supply voltage	Charging time
757L20	0 to +50 °C	47 – 63 Hz	100–240 automatic adjustment V / AC	ca. 3,5 h (757B20) / 3 h (757B21)

757L16-4 **Power supply unit**

The power supply for electronic prosthetic components and orthoses from Ottobock. Adapters for the EU and US are included in the scope of delivery. Additional adapters can be ordered under the following article numbers:
- Great Britain: 757S1=GB-4
- Australia: 757S1=AUS-4
- Argentina: 757S1=ARG-4

Technical data

Article number
757L16-4

- Adapters for the EU and US are included in the scope of delivery.

757B20 **EnergyPack**

Suitable for use in the MyoBock system for adults with all socket types.

Key features
- Can only be used for the MyoBock system for adults.
- Lithium-ion technology.
- Longer lifetime than Ni-Cd batteries.
- Suitable for more active patients.

Technical data

Article number	Capacity	Nominal voltage	Charging time	Technology	Weight	Colour
757B20	950 mAh	Approx. 7.4 V	3.5 h	Lithium-ion	65 g	Skin colour 4
757B20-1	950 mAh	Approx. 7,4 V	3.5 h	Lithium-ion	65 g	Skin colour 11
757B20-2	950 mAh	Approx. 7,4 V	3.5 h	Lithium-ion	65 g	Skin colour 15
757B20-3	950 mAh	Approx. 7,4 V	3.5 h	Lithium-ion	65 g	Black

Information material

647G1594=ALL_INT	Instructions for use (qualified personnel) | 757B20, 757B21

757B21 **EnergyPack**

Suitable for use in the MyoBock adult system for all socket types.

Key features
- Can only be used for the MyoBock system for adults.
- Lithium-ion technology.
- Longer lifetime than Ni-Cd batteries.
- Suitable for more active patients.

Technical data

Article number	Capacity	Nominal voltage	Charging time	Technology	Weight	Colour
757B21	680 mAh	Approx. 7.4 V	3.0 h	Lithium-ion	51 g	Skin colour 4
757B21-1	680 mAh	Approx. 7,4 V	3,0 h	Lithium-ion	51 g	Skin colour 11
757B21-2	680 mAh	Approx. 7,4 V	3,0 h	Lithium-ion	51 g	Skin colour 15
757B21-3	680 mAh	Approx. 7,4 V	3,0 h	Lithium-ion	51 g	Black

Information material

647G1594=ALL_INT	Instructions for use (qualified personnel) | 757B20, 757B21

757Z184 **Battery receptacle set**

Battery receptacle set with screw clamp connection for quick removal from the socket. With integrated connection sockets for electrodes, hand cables or connection cables (article number 757P41 and 757P39) for connecting to the MyoBoy (article number 757M11).

Technical data

Article number	Colour
757Z184=1	Skin colour 4
757Z184=1-1	Skin colour 11
757Z184=1-2	Skin colour 15
757Z184=1-3	Black

Information material

647G1595=ALL_INT	Instructions for use | 757Z184=1, 757Z190=1

757Z185 **Battery receptacle**

Battery receptacle without locking lever for EnergyPack (article number 757B20).

Technical data

Article number
757Z185=1

757Z184 **Battery receptacle set**

Battery receptacle set with screw clamp connection for quick removal from the socket. With integrated connection sockets for electrodes, hand cables or connection cables (article number 757P41 and 757P39) for connecting to the MyoBoy (article number 757M11).

Technical data

Article number	Colour
757Z184=2	Skin colour

757Z185 **Battery receptacle**

Battery receptacle with screw clamp connection, without locking lever, for EnergyPack (article number 757B20). Notice: Please use the 757P41 connection cable here!

Technical data

Article number
757Z185=2

757Z190 **Battery Mounting Set**

Battery receptacle set for EnergyPack (article number 757B21).

Technical data

Article number	Colour
757Z190=1	Skin colour 4
757Z190=1-1	Skin colour 11
757Z190=1-2	Skin colour 15
757Z190=1-3	Black

Information material

647G1595=ALL_INT	Instructions for use | 757Z184=1, 757Z190=1

757Z191 **Measuring**

Battery receptacle without locking lever, for 757B21 EnergyPack.

Technical data

Article number
757Z191=1

757Z190 **Battery Mounting Set**

Battery mounting set with screw clamp connection for quick removal from socket. Integrated connection sockets for electrodes, hand cables or for 757P41 and 757P39 Connection Cables for connecting to the MyoBoy®.

Technical data

Article number	Colour
757Z190=2	Skin colour

757Z191 **Measuring**

Battery receptacle with screw clamp connection, without locking lever, for 757B21 EnergyPack.

Technical data

Article number
757Z191=2

757Z186 **Engaging Lever**

Locking lever for battery receptacle (article no. 757Z184/757Z190).

Technical data

Article number
757Z186=1
757Z186

757Z195 **Locking lever**

Locking lever for bilateral amputees with enlarged release lever for increased user comfort.

Technical data

Article number	for
757Z195	bilateral amputees

757Z202 **Plug**

Plug for battery compartment with screw connection.

Technical data

Article number
757Z202

757L43 **USB adapter for charging**

For use with all Ottobock MPKs (Genium/Genium X3, C-Leg, Kenevo), C-Brace, Meridium and the MyoBock prosthesis solution including the bebionic prosthetic hand.

Technical data

Article number
757L43

Information material

647G1606=ALL_INT	Instructions for use (qualified personnel) | 9X50, 9X51

9X51 **Four-stage control element**

The four-stage control element for installation in a harness system allows proportional control of prosthetic components at four different speed levels using harnesses.

Key features

- Used to convert body movements into signals for the proportional control of myoelectric components
- Easy integration into a cable harness system
- Suitable for high amputation levels or users who have difficulty with myoelectric control
- Lightweight and compact alternative to an electrode

Technical data

Article number	Cable path	Max. actuating force	Weight
9X51	8 mm	10 N	6 g

- Connection cable (article no. 13E129=G*) can be ordered separately.

Information material

647G1608=ALL_INT	Instructions for use | 9X52, 9X53

9X53 **4-step control element**

The four-stage control element allows proportional control of prosthetic components at four different speed levels using harnesses.

Key features

- Used to convert body movements into signals for the proportional control of myoelectric components
- Easy integration into a cable harness system
- Suitable for high amputation levels or users who have difficulty with myoelectric control
- Lightweight and compact alternative to an electrode

Technical data

Article number	Cable path	Max. actuating force	Weight
9X53	8 mm	10 N	11 g

- Example: Switching of the 12K100N DynamicArm• Detent 1: Control element released• Detent 2: System Electric Hand• Detent 3: Electric wrist rotator• Detent 4: DynamicArm
- The connection cable (article no. 13E129=G*) can be ordered separately.
- The pull cable (article no. 10Y35) can be reordered separately.

Information material

647G1606=ALL_INT	Instructions for use (qualified personnel) | 9X50, 9X51

9X50 **Linear control element**

The linear control element for installation between the outer and inner socket of the prosthesis allows continuous, proportional control of prosthetic components using harnesses.

Key features

- Used to convert body movements into signals for the proportional control of myoelectric components
- Easy integration into a cable harness system
- Suitable for high amputation levels or users who have difficulty with myoelectric control
- Lightweight and compact alternative to an electrode

Technical data

Article number	Cable path	Max. actuating force	Weight
9X50	8 mm	10 N	6 g

- The connection cable (article no. 13E129=G*) can be ordered separately.

9X52 **Linear control element**

The linear control element allows proportional control of prosthetic components using harnesses.

Key features

- Used to convert body movements into signals for the proportional control of myoelectric components
- Easy integration into a cable harness system
- Suitable for high amputation levels or users who have difficulty with myoelectric control
- Lightweight and compact alternative to an electrode
- Control of the myoelectric prosthesis without muscle signal and electrode
- Control of DMC controls via proportional output signal
- Minimum size
- Can be laminated into an upper arm or forearm socket

Technical data

Article number	Cable path	Max. actuating force	Weight
9X52	8 mm	10 N	11 g

- The connection cable (article no. 13E129=G*) can be ordered separately.
- The pull cable (article no. 10Y35) can be ordered separately.

Information material

647G1608=ALL_INT	Instructions for use | 9X52, 9X53

Accessories/spare parts for 9X51, 9X53, 9X50, 9X52

9X25 **Rocker switch**

The rocker switch is used to control System Electric Hands and rotational controls for users who cannot generate suitable muscle signals.

Key features

- Has two switching points which can be controlled independently
- Switching points are reached by pressing on one side of the rocker switch
- Can be combined with MyoBock and Axon-Bus components

Technical data

Article number	Height	Width	Length	Weight
9X25	14 mm	32 mm	13 mm	17 g

- The scope of delivery includes two each oval countersunk screws (article number 501S46=M2X8, 501S46=M2X5).
- The following components are not included in the scope of delivery and must be ordered separately:
- Connection cable (article number 13E50=*), only in combination with electric wrist rotator (article number 10S17) or connection cable with switch (article number 13E97)
- Connection cable (article number 13E99=1200)

Information material

647G1615=ALL_INT	Instructions for use (qualified personnel) | 9X14, 9X18, 9X37, 9X25

9X18 **Cable pull switch**

The cable pull switch consists of a steel cable, bow and wedge lock. Its housing is screwed onto the socket, and the steel cable is connected to the harness to control the electric wrist rotator or System Electric Hands.

Key features

- Can be combined with MyoBock and Axon-Bus components
- Has two switching points which can be controlled sequentially and independently
- Switching points are reached by pulling on the cable of the cable pull switch
- Functional sequence: off – function 1 – off – function 2.

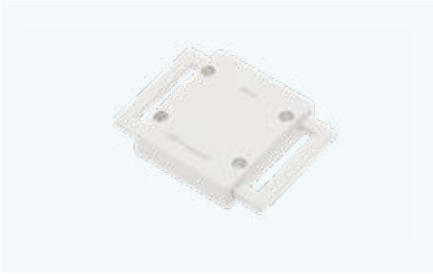
Technical data

Article number	Height	Width	Length	Weight
9X18	9 mm	40 mm	30 mm	17 g

- The scope of delivery includes two each oval head screws (article number 501S46=M3X8, 501S46=M3X5).

Information material

647G1615=ALL_INT	Instructions for use (qualified personnel) | 9X14, 9X18, 9X37, 9X25



Information material

647G1615=ALL_INT	Instructions for use (qualified personnel) | 9X14, 9X18, 9X37, 9X25

9X14 **Harness pull switch**

The harness pull switch is used to control the electric wrist rotator (article no. 10S17), the System Electric Hand (article no. 8E38=7, 8E38=8, 8E38=9) or the System Electric Greifer (article no. 8E33=9-1).

Key features

- Can be used as part of a harness or as a cable pull switch
- For the control of MyoBock hands
- Can be combined with Axon-Bus components
- Functional sequence: off – function 1 – off – function 2

Technical data

Article number	Height	Width	Length	Weight
9X14	11 mm	40 mm	55 mm	19 g

- The scope of delivery includes four cap screws (article no. 501T16=M2X6).

Information material

647G1615=ALL_INT	Instructions for use (qualified personnel) | 9X14, 9X18, 9X37, 9X25

9X37 **Pressure switch**

The pressure switch, which has two switching points that can be adjusted separately, is used to control the System Electric Hands and the electric wrist rotator (article number 10S17) in connection with the MyoRotronic (article number 13E205).

Key features

- Has two switching points which can be controlled sequentially and independently
- Switching points are reached by pressing on one side of the rocker switch
- Can be combined with MyoBock and Axon-Bus components

Technical data

Article number	Height	Width	Length
9X37	10.8 mm	23.3 mm	35.5 mm

- The scope of delivery includes two each oval countersunk screws (article number 501S75=M2X8, 501S75=M2X5).
- The following components are not included in the scope of delivery and must be ordered separately:
- 13E50=* connection cable (only in combination with electric wrist rotator (article number 10S17)) or connection cable with switch (article number 13E97)
- 13E99=1200 Connection cable

DynamicArm

Elbow lock
The internal, continuously adjustable electronic lock can be locked or unlocked via myoelectric signals or by means of a switch. Locking occurs inconspicuously in a fraction of a second and works reliably – even when heavy loads are placed on the joint. The elbow lock supports a holding force of up to 230 N.

Brushless drive motor and vario-gear
Brushless drive with a flat design, whose high drive torque and efficiency in combination with the variogear provides infinitely variable speed control that is monitored by two measuring systems and controlled in proportion to the muscle signal.

Integrated Bluetooth interface
Allows individual settings to be made wirelessly with the ElbowSoft, even while the user is wearing the prosthesis.

Silicone caps
The caps dampen the sound made by the forearm upon contact with hard objects, e.g. when placing the arm on a tabletop..

Handwheel
Energy released when extending the arm is stored with the help of the AFB (Automatic Forearm Balance) flexion aid and subsequently used to support flexion. The flexion aid also allows the arm to swing freely in a smooth, natural manner. The handwheel allows the user to adapt the AFB flexion aid to the situation, e.g. when changing from light summer clothing to heavy winter clothing.

Information material

647G152=ALL_INT	Instructions for use [short] (qualified personnel) | 12K100N DynamicArm
647H37=ALL_INT	Instructions for use (user) | 12K100N, 12K110N DynamicArm
646D1367=EN_MASTER	Pre-sale warranty brochure – upper limb
646D644=EN_MASTER	DynamicArm – service pass

12K100N **DynamicArm**

The DynamicArm is a myoelectrically controlled elbow joint driven by an electric motor. It is intended for the treatment of users with transhumeral or higher amputation levels. The DynamicArm allows the component to be controlled entirely with myoelectric signals.

Key features

- Control using up to two muscles (two electrodes)
- High lifting and holding force
- Natural, delicate control with quick, precise positioning
- Attractive appearance
- Low noise level, no noise at all during free swing
- Natural free swing behaviour
- The speed of flexion and extension can be controlled proportionately
- Pronation and supination can be controlled proportionately with the integrated electronics via the electric wrist rotator
- With electric drive and continuous, electronically controlled vario-gear
- Electronically controlled AFB (flexion aid)
- Upper arm rotation joint (humeral rotation feature) with adjustable friction

Technical data

Article number	Upper arm connection Ø	For lamination ring Ø	For hand size	Colour
12K100N=50	70 mm	50 mm	7 3/4 - 8 1/4	Skin colour 4
12K100N=45	70 mm	45 mm	7 - 7 1/4	Skin colour 4
12K100N=50-1	70 mm	50 mm	7 3/4 - 8 1/4	Skin colour 11
12K100N=50-2	70 mm	50 mm	7 3/4 - 8 1/4	Skin colour 15
12K100N=45-7	70 mm	45 mm	7 - 7 1/4	Black
12K100N=50-7	70 mm	50 mm	7 3/4 - 8 1/4	Black

- The colours roughly correspond to the glove colours according to the colour sample set (article no. 646M3).
- The DynamicArm requires certification! Please contact your customer service representative or your regional contact person about this.
- Please note that the –1 and –2 versions are fabricated only after receipt of an order. As a result, delivery of such articles will take longer.

Information material

647G152=ALL_INT	Instructions for use [short] (qualified personnel) | 12K100N DynamicArm
647H37=ALL_INT	Instructions for use (user) | 12K100N, 12K110N DynamicArm
646D1129=EN_MASTER	Dialog special edition on TMR
646F628=EN_MASTER	Poster | TMR treatment cycle

12K110N **DynamicArm Plus**

The DynamicArm is a myoelectrically controlled elbow joint driven by an electric motor. It is intended for the treatment of users with a transhumeral amputation or higher amputation level who are able to use more than two EMG signals to control their prosthesis, for example after TMR (targeted muscle reinnervation).

Key features

- Control using up to six muscles (six electrodes)
- High lifting and holding force
- Natural, delicate control with quick, precise positioning
- Attractive appearance
- Low noise level, no noise at all during free swing
- Natural free swing behaviour
- The speed of flexion, extension, pronation and supination can be controlled proportionately
- With electric drive and continuous, electronically controlled vario-gear
- Electronically controlled AFB (flexion aid)
- Upper arm rotation joint (humeral rotation feature) with adjustable friction
- Suitable for TMR

Technical data

Article number	Lamination ring Ø	Upper arm connection Ø	For hand size	Colour
12K110N=45	45 mm	70 mm	7 - 7 1/4	Skin colour 4
12K110N=45-7	45 mm	70 mm	7 - 7 1/4	Black 7
12K110N=50	50 mm	70 mm	7 ¾ – 8 ¼	Skin colour 4
12K110N=50-1	50 mm	70 mm	7 ¾ – 8 ¼	Skin colour 11
12K110N=50-2	50 mm	70 mm	7 ¾ – 8 ¼	Skin colour 15
12K110N=50-7	50 mm	70 mm	7 ¾ – 8 ¼	Black 7

- The colours roughly correspond to the glove colours according to the colour sample set (article no. 646M3).
- This product requires certification.
- Please note that the –1 and –2 variants are fabricated only after receipt of an order. As a result, longer delivery times are to be expected.

Information material

647G1599=ALL_INT	Instructions for use (qualified personnel) | 12K41, 12K42, 12K44, 12K50 ErgoArm

12K50 **ErgoArm Electronic plus**

The ErgoArm Electronic plus elbow joint features an internal continuous electronic lock, an Easy Plug system and AFB (Automatic Forearm Balance) as well as an upper arm rotation joint with adjustable friction. The plastic forearm and elbow ball complete the prosthesis.

Key features

- The internal, continuously adjustable electronic lock can be locked or unlocked via myoelectric signals or using a switch
- Easy Plug system
- Can be combined with other MyoBock terminal devices
- Electronically controlled AFB (flexion aid)
- Upper arm rotation joint (humeral rotation feature) with adjustable friction
- Slip-stop function
- Various programs can be selected with MyoSelect (article no. 757T13) and coloured coding plug (article no. 13E184=*)
- No exterior cables
- Forearm can be shortened (length 305 mm, circumference approx. 260 mm)
- Weight: approx. 680–710 g

Technical data

Article number	Upper arm connection Ø	For lamination ring Ø	For hand size	Colour
12K50=45	70 mm	45 mm	7 – 7 1/4	Skin colour 4
12K50=50	70 mm	50 mm	7 3/4 – 8 1/4	Skin colour 4
12K50=50-1	70 mm	50 mm	7 3/4 – 8 1/4	Skin colour 11
12K50=50-2	70 mm	50 mm	7 3/4 – 8 1/4	Skin colour 15
12K50=45-7	70 mm	45 mm	7 – 7 1/4	Black 7
12K50=50-7	70 mm	50 mm	7 3/4 – 8 1/4	Black 7

- The colours roughly correspond to the glove colours according to the colour sample set (article no. 646M3).
- Please note that the –1 and –2 versions are fabricated only after receipt of an order. As a result, delivery of such articles will take longer.

12K44 **ErgoArm Hybrid plus**

The ErgoArm Hybrid plus elbow joint features an internal ratchetless lock, Easy Plug system and AFB (Automatic Forearm Balance) as well as an upper arm rotation joint with adjustable friction. The plastic forearm and colour-coordinated elbow ball complete the prosthesis.

Key features

- Easy Plug system
- Internal ratchetless lock can be locked or unlocked with the lock cable, even under load
- Can be combined with other MyoBock terminal devices
- Electronically controlled AFB (flexion aid)
- Upper arm rotation joint (humeral rotation feature) with adjustable friction
- Slip-stop function
- Various programs can be selected with MyoSelect (article no. 757T13) and coloured coding plug (article no. 13E184=*)
- No exterior cables
- Forearm can be shortened (length 305 mm, circumference approx. 250 mm)
- Weight: approx. 670–700 g

Information material

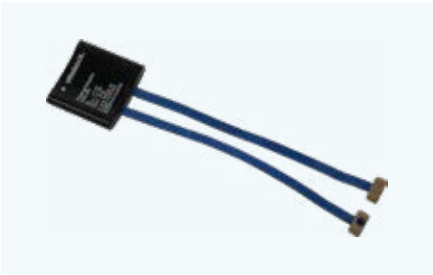
647G1599=ALL_INT	Instructions for use (qualified personnel) | 12K41, 12K42, 12K44, 12K50 ErgoArm

Technical data

Article number	Upper arm connection Ø	For lamination ring Ø	For hand size	Colour
12K44=45	70 mm	45 mm	7 – 7 1/4	Skin colour 4
12K44=50	70 mm	50 mm	7 3/4 – 8 1/4	Skin colour 4
12K44=50-1	70 mm	50 mm	7 3/4 – 8 1/4	Skin colour 11
12K44=50-2	70 mm	50 mm	7 3/4 – 8 1/4	Skin colour 15
12K44=45-7	70 mm	45 mm	7 – 7 1/4	Black 7
12K44=50-7	70 mm	50 mm	7 3/4 – 8 1/4	Black 7

- The colours roughly correspond to the glove colours according to the colour sample set (article no. 646M3).
- Please note that the –1 and –2 variants are fabricated only after receipt of an order. As a result, longer delivery times are to be expected.

Accessories/spare parts for 12K100N, 12K110N, 12K50, 12K44



13E100 **AnalogAdapter**

The adapter enables the control of the analogue Ottobock hand systems in combination with the DynamicArm. The digital signal of the DynamicArm is converted to an analogue signal by the adapter.

Technical data

Article number	for	Side	Operating temperature	Transport temperature	Weight
13E100	DynamicArm, DynamicArm Plus	universal	+5 to +40 °C	-25 to +70 °C	7 g

743A27 **Alignment aid for DynamicArm**

Alignment and foaming aid allows the alignment of an interim prosthesis for functional training in the rehabilitation phase.

Technical data

Article number	for
743A27	DynamicArm and ErgoArm

743A23 **Alignment aid for ErgoArm**

The alignment and foaming aid allows the alignment of an interim prosthesis for functional training in the rehabilitation phase.

Technical data

Article number	for
743A23	Alignment of an interim prosthesis with ErgoArm elbow joint for functional training in the rehabilitation phase

12S6 **MovoShoulder swing**

The MovoShoulder Swing shoulder joint's free swing of up to 40° reduces pressure from the prosthetic socket and allows natural, harmonious movements. Abduction of up to 20° facilitates more comfortable movement patterns during many activities of daily life.

Key features

- Natural, harmonious movements and reduced pressure from the prosthetic socket thanks to free swing (up to 40°) and abduction (up to 20°)
- Relieves the back and shoulder for improved body posture
- Facilitates hand to mouth activities such as eating and facial care
- Locking is realised using a certain body movement or the sound hand, with no additional control elements such as switches or a body harness
- Can be used with the DynamicArm

Technical data

Article number	Side	Overall length	Weight
12S6=L	left	230 mm	242 g
12S6=R	right	230 mm	242 g

12S4 **Ottobock shoulder joint**

The double-axis shoulder joint with separate friction and two arm joint bars can be used on both sides and is suitable for users with a forequarter amputation or shoulder disarticulation. It provides two degrees of freedom and permits anteversion/retroversion as well as abduction/adduction movements.

Key features

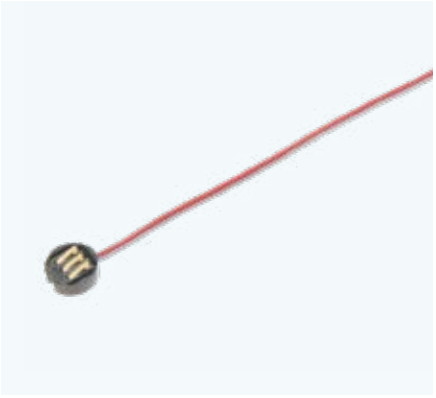
- Separate friction
- Two degrees of freedom
- Permits anteversion/retroversion as well as abduction/adduction movements
- With integrated lamination ring (43 mm diameter)
- Connection to elbow component with bars

Technical data

Article number	Overall length	Lamination ring Ø	Weight
12S4	210 mm	43 mm	134 g

Information material

647G473=ALL_INT	Instructions for use | 12S4, 12S7



13E188 **Battery connection cable**

Battery connection cable for MyoBock adult system, for the EnergyPack.

Key features

- Battery connection cable for EnergyPack
- To connect the battery receptacle (article no. 757Z185=1 or 757Z191=1) with coaxial plug (article no. 9E169),
- electric wrist rotator (article no. 10S17), MyoRotronic (article no. 13E205) or switch block (article no. 13E190 or 13E190=150)

Technical data

Article number	Length
13E188=200	200 mm
13E188=600	600 mm

13E50 **Connecting cable**

Connection cable to control electric pronation and supination with the electric rotator (article no. 10S17). Used to provide the electrical connection between the electric rotator and harness pull switch (article no. 9X14), cable pull switch (article no. 9X18) or rocker switch (article no. 9X25).

Technical data

Article number	Length
13E50=250	250 mm
13E50=1200	1,200 mm

13E97 **Connection cable with on-off switch**

Pronation and supination function can be turned off using the switch. The connection cable provides the electrical connection between the electric wrist rotator (article no. 10S17) and the harness pull switch (article no. 9X14), cable pull switch (article no. 9X18) or rocker switch (article no. 9X25).

Technical data

Article number	Length
13E97=250	250 mm
13E97=1200	1,200 mm

Accessories/spare parts for cables

757P41 **Connection cable**

Connection cable to connect the battery receptacle for the EnergyPack (article number 757Z185=2 or 757Z191=2) and coaxial plug (article number 9E169) or MyoRotronic (article number 13E205).

Key features

- For the MyoBock system
- To connect the battery receptacle (article no. 757Z185=2 or 757Z191=2) and coaxial plug (article no. 9E169) or MyoRotronic (article no. 13E205)

Technical data

Article number
757P41

13E190 **Distributor**

Switch block to connect the EnergyPack (article no. 757B2*), electrodes (article no. 13E200/13E202) and System Electric Hands with hand cable (article no. 8E39, 8E41), without extension cable.

Technical data

Article number
13E190

13E190 **Distributor**

Switch block to connect the EnergyPack (article no. 757B20 or 757B21), electrodes (article no. 13E200 or 13E202) and System Electric Hands with hand cable (article no. 9E53) and extension cable. Length: 150 mm.

Technical data

Article number
13E190=150

9E185 **Extension cable**

Extension cable to extend the hand cable of the System Electric Hand (article no. 8E39, 8E41 and 8E44) or the System Electric Greifer (article no. 8E34) and connection to the battery receptacle (article no. 757Z185=2 and 757Z191=2).

Technical data

Article number	Length
9E185=30	300 mm
9E185=40	400 mm
9E185=50	500 mm
9E185=50-1	500 mm

12V10 **Tube valve for suction socket**

In combination with the electrode (article no. 13E202), the tube valve creates an airtight socket seal. The PVC connection tube (article no. 99B13) is already included in the scope of delivery.

Technical data

Article number
12V10

99B13 **PVC connection tube**

The PVC connection tube serves as a connection channel between the inner and outer sockets.

Technical data

Article number	Diameter	Colour
99B13=16	16 mm	Skin colour
99B13=16-7	16 mm	Black
99B13=21	21 mm	Skin colour
99B13=21-7	21 mm	Black

99B83 **Tube dummies**

The tube dummies are used for fabricating vacuum-formed inner sockets.

Technical data

Article number	Diameter
99B83=16	16 mm
99B83=21	21 mm

711M77 **Magnetic centring aid**

The magnetic centring aid allows technicians to precisely determine the centre point of the pull-in tube outside the outer socket so the cut-out can then be milled exactly.

Technical data

Article number	for
711M77=1	7,4 V Arm Prosthetic System for Children
711M77=2	MyoBock and Axon-Bus System

646C52 **PAULA**

The PAULA 1.2 software is used in combination with the MyoBoy (art. no. 757M11=X-Change) and supports the O&P professional in the myosignal evaluation, product selection, socket design and the ordering of components or complete trial prostheses for the upper limbs.

Key features

- Patient management
- MyoTest
- Measuring
- Training
- Socket design
- Component selection
- Order
- Documentation
- Software updates

Technical data

Article number
646C52=V1.2

- The product code of a PAULA 1.2 CD is required for the installation.
- If you have questions related to installation, please contact our O&P Hotline employees!
- Integrated into the Ottobock Data Station.

757M11 **MyoBoy**

The MyoBoy supports O&P professionals and users when training muscle activities and provides a realistic simulation of the MyoBock systems. The data that are collected make it possible to select the most suitable control system for the individual prosthesis.

Key features

- For determining the optimal electrode position and control variant
- For realistic simulation of the MyoBock systems
- For support during muscle activity training

Technical data

Article number	Scope of delivery
757M11=X-CHANGE	Ground electrode (article number 757Z18), electrode adapter (article number 757P44), electrode armband (article number 757Z174), screwdriver, USB cable, carrying case

Information material

647G265=ALL_INT	Instructions for use (qualified personnel) | 757M11=X-Change

60X5 **BionicLink PC**

The BionicLink USB Bluetooth adapter supports wireless data communication between Ottobock products with a Bluetooth interface (such as the DynamicArm) and a PC with a USB port or USB hub via corresponding Ottobock software products (such as ElbowSoft).

Key features

- Wireless data communication between Ottobock products with a Bluetooth interface and a PC
- Used with corresponding software (e.g. ElbowSoft)

Technical data

Article number	for
60X5	Connection to computer (USB Bluetooth adapter)

- A proper connection between the Ottobock product and a PC can only be established using corresponding Ottobock software products (e.g. ElbowSoft).

Information material

647G506=ALL_INT	Instructions for use (qualified personnel) | 60X5 BionicLink PC

646C42 **ElbowSoft**

The ElbowSoft software is used for adjusting the DynamicArm (article no. 12K100N=*) and connected Ottobock system components: System Electric Hands (article no. 8E38=*), System Electric Greifer (article no. 8E33=*) and electric wrist rotator (article no. 10S17) within the scope of exoprosthetic devices.

Technical data

Article number
646C42=V1.6

Information material

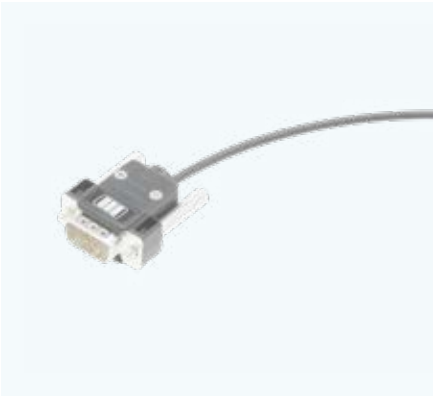
647G341=ALL_INT	Instruction for use [short] | 646C42=V1.6 ElbowSoft

757T13 **MyoSelect**

The MyoSelect is used for the identification and configuration of MyoBock components and provides information about the component type and the currently selected control on the integrated display. Alternative controls can be selected and configured, and the speed can be adjusted to the patient's individual needs.

Technical data

Article number
757T13



757P39 **MyoBoy communication cable**

The MyoBoy communication cable connects the MyoBoy and battery receptacle (article number 757Z185=2 or 757Z191=2) and permits signal measurement while the complete prosthesis is in use by the patient.

Technical data

Article number
757P23

757P23 **Test adapter**

Test adapter for the System Electric Hands (article number 8E38, 8E39, 8E41) and System Electric Greifer (article number 8E33, 8E34).

Technical data

Article number
757P23

9S138 **Finger tip set**

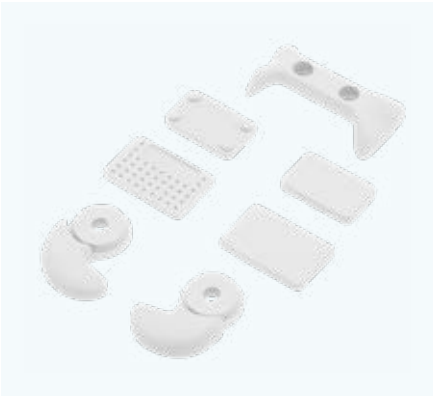
Fingertip set for use without tip padding with the System Electric Greifer (article no. 8E33=9-1/8E34=9-1).

Technical data

Article number
9S138

Information material

647G1274=ALL_INT	Instructions for use (qualified personnel) | 8E33=*, 8E34=*



9S145 **Rubber gripping pad set**

Rubber pad set for use with the System Electric Greifer (article no. 8E33=9-1/8E34=9-1).

Technical data

Article number
9S145-1

Information material

647G1274=ALL_INT	Instructions for use (qualified personnel) | 8E33=*, 8E34=*

9S149 **Finger tip blank set**

The fingertip blank set is used with the System Electric Greifers (article no. 8E33=9-1/8E34=9-1) for subsequent adaptation to special tasks.

Technical data

Article number
9S149

Information material

647G1274=ALL_INT	Instructions for use (qualified personnel) | 8E33=*, 8E34=*

9S234 **Finger tip (pair)**

Fingertip pair for use with tip padding with the System Electric Greifer (article no. 8E33=9-1/8E34=9-1).

Technical data

Article number
9S234=PAA

Information material

647G1274=ALL_INT	Instructions for use (qualified personnel) | 8E33=*, 8E34=*

9S278 **Finger tip (pair)**

Fingertip pair for use without tip padding with the System Electric Greifer (article no. 8E33=9-1/8E34=9-1).

Technical data

Article number
9S278=PAA

9S312 **Battery cover**

The LED unit battery cover is suitable as a cladding element for the System Electric Greifer (article no. 8E33=9-1/8E34=9-1).

Technical data

Article number
9S312

9S146 **Tip padding (pair)**

Technical data

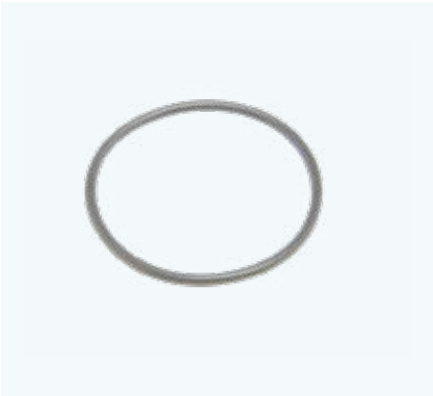
Article number
9S146=PAA-1

11S6 **Ratchet Ring with Inner Gear Teeth**

Spare part for System Electric Hands.

Technical data

Article number
11S6-1

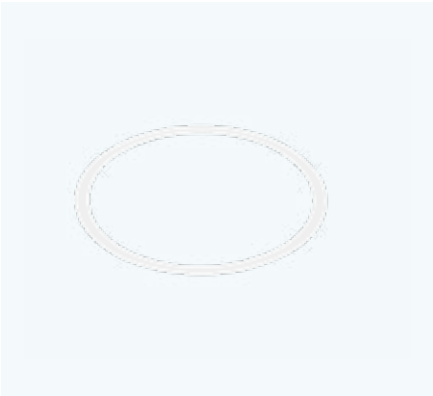


11S7 **Pressure ring**

Spare part for System Electric Hands.

Technical data

Article number
11S7



11S27 **Spacing washer**

Spare part for System Electric Hands.

Technical data

Article number
11S27

11S30-1 **Friction ring with inner gear teeth**

Spare part for System Electric Hands.

Technical data

Article number
11S30-1

9S145 **Rubber gripping pad set**

Rubber pad set for use with the System Electric Greifer (article no. 8E33=9-1/8E34=9-1).

Technical data

Article number
9S145-1

Information material

647G1274=ALL_INT	Instructions for use (qualified personnel) | 8E33=*, 8E34=*

Axon-Bus system

Perfect use of precision technology

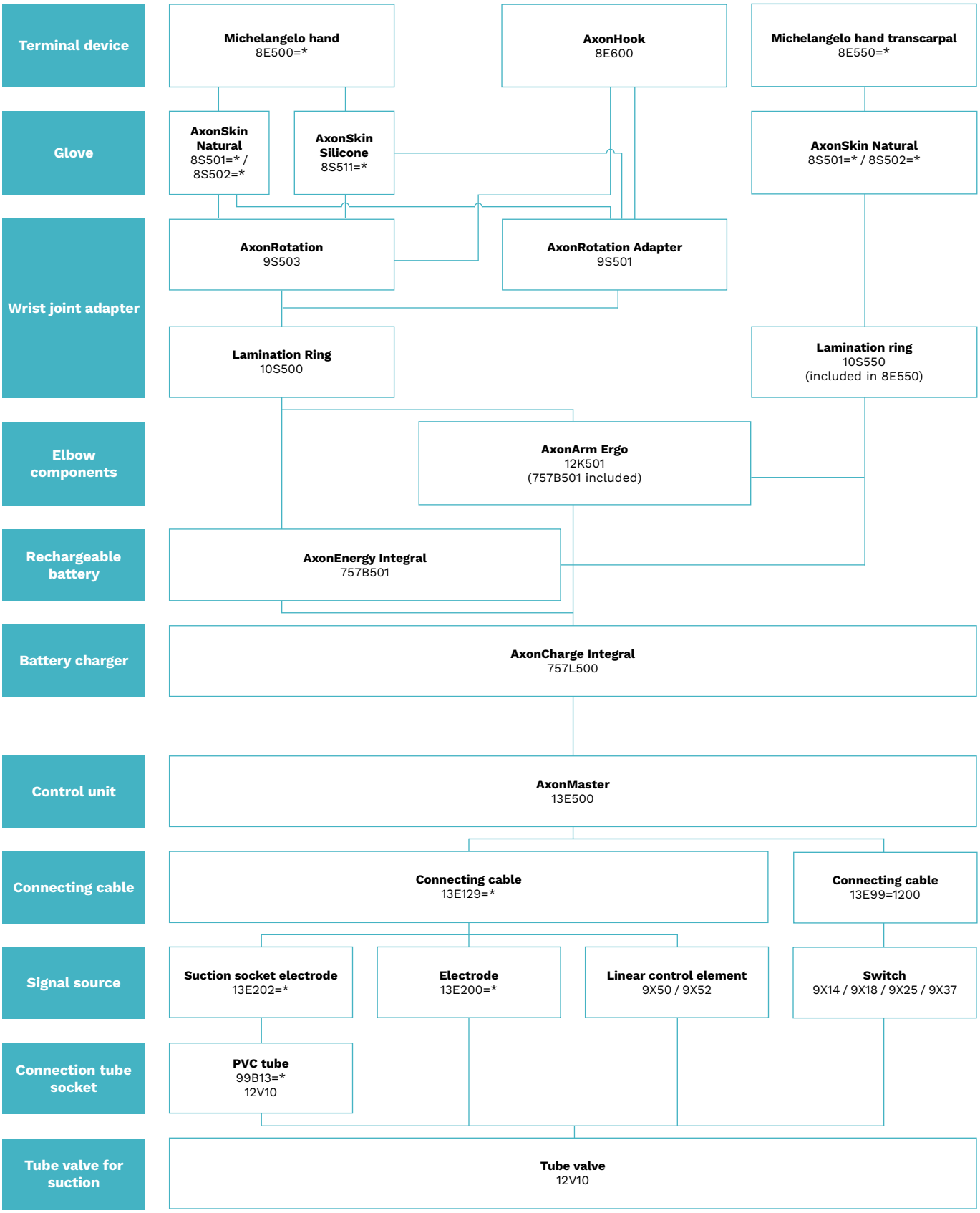
The Axon-Bus system is a high-performance system for transradial and transhumeral prostheses. Axon stands for Adaptive exchange of neuro-placement data. The Axon-Bus itself is an Ottobock development for the field of exoprosthetics. It was derived from safety-related bus systems in the aviation and automotive industries and represents a major development milestone in treatment options for the upper limb. A major advantage is that it constitutes an optimised, self-contained data transmission system. The individual components communicate with each other perfectly, eliminating losses in terms of data transmission, speed and functionality. This results in a clear plus in safety and reliability for the user. Compared to conventional systems, this is achieved by a significant reduction in sensitivity to outside interference. In combination with the Michelangelo hand, the Axon-Bus system offers even more degrees of freedom in combination with a powerful terminal device. The user benefits from enhanced functionality of the prosthetic hand.

On the following pages you will find

- Axon-Bus terminal devices
- Axon-Bus prosthetic gloves
- Axon-Bus system accessories
- Rotation
- Axon-Bus elbow components
- Axon-Bus battery management
- Axon-Bus control elements
- Axon-Bus software
- Tool for assembly of the Axon-Bus system

Visit www.ottobock.com to obtain up-to-date product information at any time.

Axon-Bus.
Overview Axon-Bus System.



Michelangelo Hand

Soft fingertips
The fingers are made of soft as well as harder materials and thus modelled on nature down to the detail.

Main drive
The powerful main drive supplies the gripping movements and gripping force. Actively controlled elements are the thumb, index finger and middle finger. The ring finger and little finger passively follow the movements.

Separately movable thumb
A separate active thumb drive allows you to move the thumb independently. This expands your gripping options – moving the thumb outwards creates a flat, open hand.

Release buttons on both sides
The user can remove the Michelangelo hand from the socket by simultaneously pressing the release buttons.

Flexible wrist
The user can make adjustments to the wrist mode with the lock button; flexible or rigid mode can be selected as required.

Flat oval wrist
The flat oval wrist has a very natural appearance. You can bend and stretch the wrist and also passively rotate it inwards and outwards. Flexion and extension are b.ased on the relaxed wrist (flexible mode).

Information material

647G587=ALL_INT	Instructions for use [short] (qualified personnel) | 8E500 Michelangelo Hand
647H900=ALL_INT	Instructions for use (user) | Axon-Bus Prosthetic System
646D501=EN	Brochure for technicians – Michelangelo hand
646D593=EN	Therapy brochure – Michelangelo hand
646D591=EN_MASTER	Michelangelo hand – service pass

8E500 **Michelangelo hand**

The Michelangelo hand features a natural design, high gripping force and flexible wrist. The actively driven index and middle fingers along with the thumb that can be positioned electronically enable seven different hand positions.
The Michelangelo hand is controlled on the basis of the Axon-Bus system, which constitutes a self-contained data transmission system. The individual components are optimally matched and communicate perfectly with each other. This means there is no delay in the speed and functionality of the Michelangelo hand, and the prosthesis is safer and more reliable.

Key features

- Numerous gripping options
- Natural design
- Soft fingertips modelled after nature, down to the detail
- Natural flat oval wrist
- Flexible wrist minimises compensating movements
- Powerful main drive for high gripping force and speed
- Can be combined with the active AxonRotation
- Separately movable thumb

Technical data

Article number	Side	Size	User group
8E500=L-M	left	7 3/4	women, men, adults, mature adults
8E500=R-M	right	7 3/4	women, men, adults, mature adults

Operating voltage	11,1 V
Operating temperature	-10 to +60 °C
Opening width	120 mm
Gripping force in opposition mode	70 N
Gripping force in lateral mode	60 N
Gripping force in neutral mode	15 N
Grip speed	325 mm/sec
Weight	510 g

- AxonSkin Natural gloves: Cleaning the glove with water and soap is recommended for daily care. A special outer coating on the gloves reduces susceptibility to soiling and simplifies cleaning. If soap and water are insufficient: Use special cleaner (article no. 640F12) with the pump sprayer (article no. 640F13). Please also note the specific care instructions of the special cleaner.
- The Michelangelo hand requires certification! Please contact your customer service representative or your regional contact person about this.

Information material

646D501=EN	Brochure for technicians – Michelangelo hand
646D593=EN	Therapy brochure – Michelangelo hand
646D646=EN	AxonSkin prosthetic gloves for Michelangelo hand
646D591=EN_MASTER	Michelangelo hand – service pass

8E550 **Michelangelo hand transcarpal**

This hand variant is suitable for users with long residual limbs and a transcarpal amputation level. The numerous functions of the Michelangelo hand are still maintained, however. A space-saving design concept takes the limited installation space into account.

Key features

- For long residual limbs and transcarpal amputation levels
- Functions of the Michelangelo hand are maintained
- Space-saving design concept
- Compact drive unit integrated into the palm
- Low structural height without the AxonWrist – almost 50 mm shorter than the Michelangelo hand
- The lamination ring allows the hand to be positioned by +/- 15°

Technical data

Article number	Size	User group
8E550=L-M	7 3/4	adults
8E550=R-M	7 3/4	adults

Operating temperature	-5 to 45 °C	-5 to 45 °C
Opening width	120 mm	120 mm
Max. gripping force in opposition mode	70 N	70 N
Max. gripping force in lateral mode	60 N	60 N
Max. gripping force in neutral mode	15 N	15 N
Max. speed	325 mm/sec	325 mm/sec
Weight	460 g	460 g

- The adapter (article no. 711M116) is needed just once to put on the gloves.
- The 10S550 lamination ring is included in the scope of delivery of the Michelangelo hand transcarpal.

Information material

646D793	Instructions for use (user) – Axon-Bus prosthesis solution
646D553=EN	Brochure for technicians – Axon-Hook

8E600 **AxonHook**

The powerful and robust hook perfectly expands the functionality of the existing Michelangelo hand for manual tasks. It features all the wrist functions of the Michelangelo hand and is easy to change.

Key features

- Optimal expansion of functionality for manual work
- Easy exchange between Michelangelo hand and AxonHook
- Features all wrist functions of the Michelangelo hand
- Dirt-resistant and robust
- Increased precision and gripping force compared to the Michelangelo hand
- Electrical emergency opening
- Resistant against splashed water (IP33)
- Slim, modern design

Technical data

Article number	Side	Opening width	Gripping force	Weight
8E600=L	left	130 mm	110 N	440 g
8E600=R	right	130 mm	110 N	440 g

- The AxonHook cannot be combined with the Michelangelo hand transcarpal.

8S501 **AxonSkin Natural**

The AxonSkin Natural glove provides structural protection for the prosthetic hand against against environmental influences such as moisture, dirt and dust and creates a natural appearance for the user. It is intended exclusively for use with Ottobock's Michelangelo hand.

Technical data

Article number	Side	User group
8S501=L	left (L)	men
8S501=R	right (R)	men

- Soap and water are sufficient for daily cleaning. For stubborn stains on the PVC prosthetic glove (not for silicone!), the glove cleaner (article no. 640F12) should be used promptly.
- Available in seven different shades.
- Please use the Skin Natural colour sample set (article no. 646M47) to determine the colour.
- Order example: 8S501=R-M4
- The Michelangelo hand is locked with the help of the assembly tool (article no. 711M64) and assembly tool (article no. 711M1) in order to apply and remove the prosthetic glove.

Information material

647G596=ALL_INT	Instructions for use (qualified personnel) | 8S500, 8S501, 8S502 AxonSkin
647H898=ALL_INT	Instructions for use (patient) | 8S500=*, 8S501=*, 8S502=* AxonSkin
646D646=EN	AxonSkin prosthetic gloves for Michelangelo hand

8S502 **AxonSkin Natural**

The AxonSkin Natural glove provides structural protection for the prosthetic hand against against environmental influences such as moisture, dirt and dust and creates a natural appearance for the user. It is intended exclusively for use with Ottobock's Michelangelo hand.

Technical data

Article number	Side	User group
8S502=L	left (L)	women
8S502=R	right (R)	women

- Soap and water are sufficient for daily cleaning. For stubborn stains on the PVC prosthetic glove (not for silicone!), the glove cleaner (article no. 640F12) should be used promptly.
- Available in seven different shades.
- Please use the Skin Natural colour sample set (article no. 646M47) to determine the colour.
- Order example: 8S502=R-M4
- The Michelangelo hand is locked with the help of the assembly tool (article no. 711M64) and assembly tool (article no. 711M1) in order to apply and remove the prosthetic glove.

Information material

647G596=ALL_INT	Instructions for use (qualified personnel) | 8S500, 8S501, 8S502 AxonSkin
647H898=ALL_INT	Instructions for use (patient) | 8S500=*, 8S501=*, 8S502=* AxonSkin
646D646=EN	AxonSkin prosthetic gloves for Michelangelo hand

Information material

647G596=ALL_INT	Instructions for use (qualified personnel) | 8S500, 8S501, 8S502 AxonSkin
647H898=ALL_INT	Instructions for use (patient) | 8S500=*, 8S501=*, 8S502=* AxonSkin
646D501=EN	Brochure for technicians – Michelangelo hand
646D646=EN	AxonSkin prosthetic gloves for Michelangelo hand

8S500 **AxonSkin visual / AxonSkin black**

The AxonSkin Visual prosthetic glove made of multilayer PVC impresses with unique aesthetics and is robust and relatively durable. The glove is suitable for men and women.

Key features

- Conspicuous, modern look; translucent or matt black
- Multilayer PVC gloves with special finish for reduced susceptibility to soiling and easier cleaning
- Defined zones on the fingertips and palms improve the gripping characteristics
- Special inner coating for improved functionality and interaction between hand, hand shell and glove
- Long sleeve length for an integrated covering up to the elbow

Technical data

Article number	Side	Colour	User group
8S500=L-M0	left (L)	Translucent	men, women, youths
8S500=R-M0	right (R)	Translucent	men, women, youths
8S500=L-M20	left (L)	Black	men, women, youths
8S500=R-M20	right (R)	Black	men, women, youths

- The Michelangelo hand is locked with the help of the assembly tool (article no. 711M64) and assembly tool (article no. 711M1) in order to apply and remove the prosthetic glove.

Information material

647G861=ALL_INT	Instructions for use (qualified personnel) | 8S511=* AxonSkin Silicone
647H896=ALL_INT	Instructions for use (patient) | 8S511=* AxonSkin Silicone
646D646=EN	AxonSkin prosthetic gloves for Michelangelo hand

8S511 **AxonSkin Silicone**

The first silicone glove for the Michelangelo hand. It has a highly natural appearance thanks to the hand-coloured replication of the fingernails and knuckles. The AxonSkin Silicone is very low-maintenance and barely soils, so that simple cleaning with soap and water is usually sufficient.

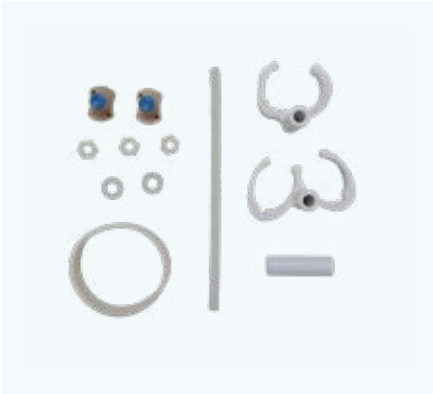
Key features

- Suitable for men
- Natural, visually inconspicuous appearance
- Multilayer silicone glove with special surface treatment
- Available in seven different skin tones (colour sample set, article no. 646M72)
- Low soiling, easy cleaning, not sensitive to low temperatures (no loss of functionality)
- Hand-coloured to simulate the structures of blood vessels and bones
- Natural colouring of the fingernails
- Easy to clean with soap and water
- Fast application of the glove by the technician

Technical data

Article number	Side	User group
8S511=L	left (L)	men, youths, women
8S511=R	right (R)	men, youths, women

- Notice: The AxonSkin Silicone cannot be combined with the Michelangelo hand transcarpal.
- Available in seven different shades.
- Colours deviate from Skin Natural. For exact determination, please use the colour sample ring for silicone gloves (article no. 646M72).
- Order example: 8S511=L-M4



757Z501 **Mounting set**

The mounting kit (article number 757Z501) includes various components which allow the technician to attach the AxonEnergy Integral and AxonMaster to the socket.

Technical data

Article number	for
757Z501	Mounting kit for the Michelangelo hand

757Z504 **Michelangelo socket attachment block**

The Michelangelo socket attachment block (article number 757Z504) can be used for trial fittings with a ThermoLyn soft outer socket. The socket attachment block is used as an alternative to the lamination ring (article number 10S500) and serves to secure the Michelangelo hand.

Technical data

Article number	for
757Z504	Socket attachment block for trial fittings with the Michelangelo hand.

Information material

647G587	Instructions for use (qualified personnel) | 8E500 Michelangelo Hand

757Z505 **Michelangelo hand dummy**

The technician can use the Michelangelo hand dummy to determine the alignment and length of the Michelangelo prosthesis while taking measurements.

Technical data

Article number	for
757Z505	Michelangelo hand

640F18 **Donning spray**

The donning spray for Ottobock Skeo liners and prosthetic gloves (silicone, PVC) is needed among other things for putting on and removing the liner or prosthetic glove.

Technical data

Article number	for	Contents
640F18	Prosthetic gloves and liners	90 ml
640F18=900	Prosthetic gloves and liners	900 ml

640F13 **Pump sprayer**

The user should always keep a pump sprayer filled with special cleaner for prosthetic gloves handy in order to be able to use the cleaner immediately in case of soiling.

Technical data

Article number	for	Contents
640F13	640F12 Special cleaner	90 g

- This container is empty on delivery!

640F12 **Special cleaner**

In case of heavy soiling, the special cleaner for prosthetic gloves should be applied immediately.

Technical data

Article number	for	Contents
640F12	Prosthetic gloves	460 g

- Special cleaner (640F12) should not be used on silicone gloves.

9S503 **AxonRotation**

The active rotation feature is equipped with proportional control so the system is sensitive and functions exactly with the muscle signals. Proportional control is possible for both movements, rotation and the gripping function of the Michelangelo hand.

Key features

- Active hand rotation
- Assists with numerous bimanual (two-handed) activities in everyday life and at work
- Compensating body movements are reduced to a minimum
- Automatically turns to a relaxed, neutral position when the hand is not holding an object and the user relaxes the myosignal
- Easy to fit in existing systems

Technical data

Article number	Pronation/supination	Idle speed	Torque	Weight
9S503	160°/160°	25 rpm	1,5 Nm	140 g

- Easy integration into existing systems, so continuing to use the current socket is possible.

9S501 **AxonRotation Adapter**

The AxonRotation Adapter in combination with an Axon-Bus terminal device such as the 8E500 Michelangelo hand enables treatment as part of the modular Ottobock Axon-Bus system. Passive pronation and supination through 360° is possible.

Key features

- Permits passive pronation and supination
- Minimises unnatural compensating body movements
- Passive, unlimited 360° pronation/supination of the Axon-Bus terminal device engages in the next position at a moment of approx. > 2.0 Nm
- 24 locking positions are provided for this purpose at intervals of 15°

Technical data

Article number	Pronation/supination	Weight
9S501	360°	Approx. 90 g

- The passive, unlimited 360° pronation/supination of the Axon-Bus terminal device engages in the next position at a moment of approx. > 2 Nm.

Information material

646D501=DE	Brochure for technicians – Michelangelo hand
647G934	Instructions for use (qualified personnel) | 9S501 AxonRotation Adapter

10S500 **Lamination Ring**

The lamination ring (article number 10S500) is the connecting element between the socket and the Michelangelo hand. The technician laminates this lamination ring into the socket.

Technical data

Article number
10S500=M

- Please note that this article is already included in the scope of delivery of the Axon-Bus prosthesis solution.

Information material

647G587	Instructions for use (qualified personnel) | 8E500 Michelangelo Hand

10S550 **Lamination ring for Michelangelo transcarpal**

The connecting element between the socket and the Michelangelo hand transcarpal for lamination in the prosthetic socket.

The lamination ring allows the O&P professional to position the hand by +/- 15°.

Technical data

Article number
10S550=M

- Included in the scope of delivery of the Michelangelo hand transcarpal (article no. 8E550).

Information material

647G1223=ALL_INT	Instructions for use [short] (qualified personnel) | 8E550 Michelangelo Hand Transcarpal

Information material

647G790=ALL_INT	Instruction for use [short] (qualified personnel) | 12K501=* AxonArm Ergo
646D501=EN	Brochure for technicians – Michelangelo hand
646D626=EN	Brochure for technicians – elbow joints

12K501 **AxonArm Ergo**

Passive elbow component with electronic lock that adapts the proven strengths of the familiar ErgoArm (article no. 12K50) to the Axon-Bus system. As a result, the advantages of the Michelangelo hand are now available to upper arm amputees.

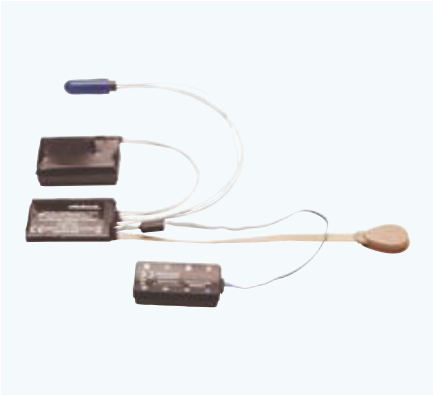
Key features

- Easy Plug
- Flexion aid (AFB)
- Mechanical slip-stop function
- Upper arm rotation joint
- Adjustable friction
- Elbow ball made of beige plastic
- Forearm can be shortened (length: 305 mm)
- Electronic ratchetless lock

Technical data

Article number	For hand size	Colour
12K501=M	7 3/4	4 Skin colour
12K501=M-1	7 3/4	11 Skin colour
12K501=M-2	7 3/4	15 Skin colour

- The cable harness (article no. 13E223) can be ordered separately.
- The battery (article no. 757B501) is already included in the scope of delivery for the elbow.
- The colour roughly corresponds to the glove colour according to the colour sample set (article no. 646M47).



757B501 **AxonEnergy Integral**

The three-cell Li-Ion battery is used exclusively to provide power to the Axon-Bus prosthesis solution. The integrated electronics protect the device against short circuits, overvoltage, undervoltage and charging outside the allowable temperature range.

Key features

- Energy supply for the Axon-Bus system
- Rechargeable battery with three Li-Ion cells
- The integrated electronics protect the device against short circuits, overvoltage, undervoltage and charging outside the allowable temperature range
- Data exchange via an Axon-Bus cable with three-pin receptacle
- Use the AxonCharge Integral (art. no. 757L500) for charging

Technical data

Article number	757B501
Operating temperature	0 to +60 °C
Storage temperature	(-) 20 - (+) 40 °C
Transport temperature	(-) 20 - (+) 40 °C
Relative humidity max.	max. 80% non-condensing
Capacity	1.150 mAh
Output voltage	11.1 V
Charging time	3.5 h
Length	55 mm
Width	35 mm
Height	23 mm
Weight	90 g

- The AxonEnergy Integral is used exclusively to provide power to the Axon-Bus system.
- Only the AxonCharge Integral (art. no. 757L500) may be used for charging.

Information material

647G789=ALL_INT	Instructions for use (qualified personnel) | 757B501 AxonEnergy Integral
646D501=EN	Brochure for technicians – Michelangelo hand

757Z508 **Lamination dummy set**

The lamination dummy set for the AxonEnergy Integral (article number 757B501) contains dummies for laminating the outer socket and for the charging receptacle recess.

Technical data

Article number
757Z508

- Included in the scope of delivery of the Axon-Bus system.

757L500 **AxonCharge Integral**

The battery charger is used to charge the AxonEnergy Integral (art. no. 757B501) of the Axon-Bus prosthesis solution. Charging proceeds automatically once the charging plug is connected to the charging receptacle of the AxonEnergy Integral.

Key features

- LED functions:
- LED 1 not lit: There are no errors and no servicing is required.
- LED 1 flashing red: There is an overall system error (rechargeable battery, prosthetic components etc.). Please contact the Ottobock Service Centre.
- LED 1 steady yellow: The terminal device should be serviced as part of Ottobock Myo maintenance.
- LED 6 flashing red: The battery charger is defective. Please send the product to the Ottobock Service Centre.

Technical data

Article number	757L500
Operating temperature	0 to +60 °C
Storage temperature	(-) 20 - (+) 40 °C
Transport temperature	(-) 20 - (+) 40 °C
Relative humidity max.	max. 80% non-condensing

- The AxonCharge Integral is intended solely for charging the AxonEnergy Integral (art. no. 757B501).

Information material

647G593=ALL_INT	Instructions for use (qualified personnel) | 757L500 AxonCharge Integral
646D501=EN	Brochure for technicians – Michelangelo hand

Information material

647G334=ALL_INT	Instructions for use (qualified personnel) | 13E202

13E202 **Suction socket electrode**

This generation of electrodes is based on the familiar 13E200 electrode. Embedded into a suspension made of elastic material, this electrode creates an airtight seal between the inner socket and outer socket. If used correctly, this prevents perspiration from penetrating between the inner and outer socket.

Key features

- Airtight seal between the inner and outer socket
- Reduces sensitivity to low and high-frequency interference
- Filters noise
- Electrode contacts made of pure titanium and suitable for people with allergies
- Electrode connection with IDC termination

Technical data

Article number	Mains frequency	Frequency bandwidth	Ambient temperature	Operating voltage
13E202=50	50 Hz	90 - 450 Hz	-15 to +60 °C	4.8 - 7.2 V
13E202=60	60 Hz	90 - 450 Hz	-15 to +60 °C	4.8 - 7.2 V

- Use silicone grease (article no. 633F11) to seal the plug connection. Remove any excess grease after connecting the electrode cable.
- The suction socket electrode can not only be used for standard sockets but is also particularly suitable for application in elevated vacuum sockets. Combining the suction socket electrode with a tube valve (article no. 12V10) for an elevated vacuum socket creates a vacuum effect in the socket, optimising the hold of the residual limb in the socket.
- The frequency filter's full protection effect will only be provided if the mains frequency and filter frequency are identical.
- The electrode accessories (article number 13E206) are included in the scope of delivery.
- Tube valve (article number 12V10) can be ordered separately.

Information material

647G1609=ALL_INT	Instructions for use (qualified personnel) | 13E200

13E200 **Electrode**

This MyoBock electrode is particularly sensitive in the range of low muscle signals. Thanks to modern frequency shielding and filtering technologies, it is also less sensitive to low and high-frequency interference that is emitted, for example, by mobile phones or shopping centre security systems.

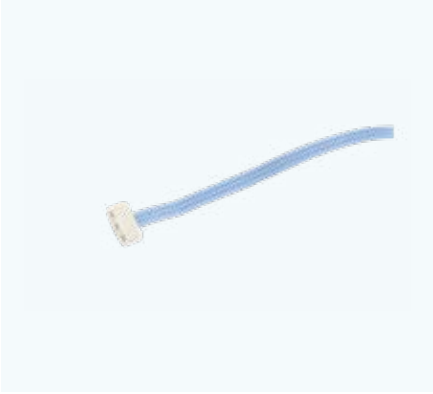
Key features

- Reduces sensitivity to low and high-frequency interference
- Filters noise
- Electrode contacts made of pure titanium and suitable for people with allergies
- Electrode connection with IDC termination

Technical data

Article number	Mains frequency	Frequency bandwidth	Ambient temperature	Operating voltage
13E200=50	50 Hz	90 - 450 Hz	-15 to +60 °C	4.8 - 7.2 V
13E200=60	60 Hz	90 - 450 Hz	-15 to +60 °C	4.8 - 7.2 V

- Use silicone grease (article no. 633F11) to seal the plug connection. Remove any excess grease after connecting the electrode cable.
- The frequency filter's full protection effect will only be provided if the mains frequency and filter frequency are identical.
- The electrode accessories for laminated inner sockets (article number 13E153) and for vacuum-formed inner sockets (article number 13E201) are included in the scope of delivery.



13E129 **Electrode cable with straight plug and plug connector**

Electrode cable for connecting an electrode or control element with other prosthetic components.

Technical data

Article number	Length
13E129=G100	100 mm
13E129=G300	300 mm
13E129=G600	600 mm
13E129=G1000	1,000 mm

Information material

647G590=ALL_INT	Instructions for use (qualified personnel) | 13E500 AxonMaster
646D501=EN	Brochure for technicians – Michelangelo hand

13E500 **AxonMaster**

The AxonMaster is the central control unit of the Axon-Bus system. It measures the patient's control signals and assigns them to the respective prosthetic components. This enables control of the prosthesis and switching between the components.

Key features

- Central control unit of the Axon-Bus system
- Control and system-internal coordination of all active Axon-Bus prosthetic components
- Connected directly to the AxonEnergy Integral
- Receives and processes the user's control signals and assigns them to the prosthetic components
- Direct and reliable control of hand movements and switching between the prosthetic components by the user
- Stores all control parameters
- Integrated Bluetooth module for data transfer with AxonSoft

Technical data

Article number	13E500
Operating temperature	0 to +60 °C
Storage temperature	(-) 20 - (+) 40 °C
Transport temperature	(-) 20 - (+) 40 °C
Relative humidity max.	max. 80% non-condensing
Power supply	757B501
Operating voltage	11.1 V
Size	53 x 28 x 9 mm
Weight	15 g

- The cable harness (article no. 13E223) can be ordered separately.
- Lamination dummy set for AxonMaster (article no. 757Z503) can be ordered separately.

Information material

647G590=ALL_INT	Instructions for use (qualified personnel) | 13E500 AxonMaster

757Z503 **Lamination set for AxonMaster**

The lamination dummy set is used to determine the optimal position of the AxonMaster.

Technical data

Article number
757Z503

- Already included in the scope of delivery for the Axon-Bus prosthesis solution.

Information material

646D501=EN	Brochure for technicians – Michelangelo hand

560X500 **AxonSoft**

The AxonSoft software is intended exclusively as a tool for adjusting the AxonMaster within the framework of unilateral or bilateral prosthetic fittings with the Michelangelo hand and the Axon-Bus system components for the upper limb. The 60X5 BionicLink is the only permissible method of data transfer between the system components.

Technical data

Article number
560X500=V2.2

- Recommended hardware requirements for a PC with 32-bit or 64-bit platforms:
  - At least 1 GB free hard drive space
  - Graphics card with Open GL support
  - Minimum resolution 1024 x 768 at 96 DPI (higher DPI settings can result in errors in the display, depending on the resolution)
  - 32-bit colour depth (16.7 million colours)
  - CD-ROM drive or DVD-ROM drive
  - One available USB port (if applicable)
  - Mouse and keyboard (if applicable)

- Minimum PC hardware requirements:
  - PC with a Pentium III/1 GHz processor, 32-bit (x86)
  - 512 MB RAM (working memory)
  - 1 GB free hard drive space
  - Graphics card with Open GL support
  - Resolution 1024 x 768 at 96 DPI
  - 32-bit colour depth (16.7 million colours)
  - CD-ROM drive
  - One available USB port (if applicable)
  - Mouse and keyboard

Information material

647G506=ALL_INT	Instructions for use (qualified personnel) | 60X5 BionicLink PC

60X5 **BionicLink PC**

The BionicLink USB Bluetooth adapter supports wireless data communication between Ottobock products with a Bluetooth interface (such as the DynamicArm) and a PC with a USB port or USB hub via corresponding Ottobock software products (such as ElbowSoft).

Key features

- Wireless data communication between Ottobock products with a Bluetooth interface and a PC
- Used with corresponding software (e.g. ElbowSoft)

Technical data

Article number	for
60X5	Connection to computer (USB Bluetooth adapter)

- A proper connection between the Ottobock product and a PC can only be established using corresponding Ottobock software products (e.g. ElbowSoft).

711M64 **Mounting adapter for Michelangelo**

The mounting adapter is essential for the correct application of the AxonSkin glove in order to protect the mechanism of the Michelangelo hand and for easier handling by the technician.

Technical data

Article number
711M64

711M1 **Assembly tool**

Assembly tool to hold the Michelangelo hand as well as the System Electric Hand. The one side with the exterior thread (article number M12X1.5) for prosthetic hands and the other side with interior thread (article number M12X1.5) for System Electric Hands and the Michelangelo hand.

Technical data

Article number
711M1

711M2 **Mounting plate**

The mounting plate is used to screw the assembly tool (article number 711M1) to the work-bench.

Technical data

Article number
711M2

711M114 **Donning sphere**

The donning sphere was developed especially for the Michelangelo hand (article number 8E500) and is used to briefly stretch the AxonSkin glove during donning.

Technical data

Article number
711M114

711M116 **Donning tool**

The donning tool is used for the Michelangelo hand transcarpal.

Technical data

Article number	for
711M116	Donning tool for the Michelangelo hand transcarpal

Body-powered

Active gripping – cable-activated

The voluntary opening and voluntary closing system hands belong to the cable-controlled prostheses or “active prehensile arms” and are controlled by a body harness system. The voluntary opening system hand is opened by pulling the cable and closes automatically. The voluntary closing system hand is closed by pulling the cable. Another pull releases the lock and opens the hand. The system inner hand conceals the mechanism and serves as the shaping element for the prosthetic glove.

It is selected according to the size of the inner hand and is available in a range of variants and colours.

On the following pages you will find

- Overview of active mechanical arm components
- Cable-activated hooks for adults and accessories
- Terminal devices
- Active system hands: Terminal devices
- Active system hands: Spare parts and accessories
- Active system hands: Prosthetic gloves
- Wrist joints and accessories
- Elbow components and accessories
- Liners and accessories
- Above-elbow and below-elbow harnesses and accessories

Body-powered.
Overview of active mechanical arm components.

Terminal device	**MovoHook 2Grip** 10A71 / 10A81			
	All-purpose hook 10A3		**All-purpose ring** 10A4	
	Single-cable system hand 8K22 / 8K23	**Double-cable system hand** 8K26 / 8K27	**Prosthetic gloves** 8S4 / 8S4N 8S5 / 8S5N 8S6 / 8S6N 8S11 / 8S11N	
Wrist joint	**MovoWrist flex** 10V39	**Ball ratchet wrist joint** 10V8	**Ottobock wrist joint** 10V36	**Ball ratchet wrist, short** 10V30
Elbow	**Elbow joint bars** 16X12	**MovolineArm Friction** 12K12 / 12K19	**ErgoArm® plus** 12K42	**ErgoArm®** 12K41 / 12K5 / 12K20
Shoulder	We recommend fitting patients with shoulder disarticulation or higher amputation levels with myoelectric or passive systems.			
Liner	**Skeo Up** 14Y5		**IntoLiner** 14Y3	
Cable-activated harness	**Triple-control above-elbow harness** 21A35		**Below-elbow harness** 21A36	

Information material

647G204=ALL_INT	Instructions for use | 10A71=*, 10A81=* MovoHook 2Grip

10A71 **MovoHook 2Grip**

The coating provides a very secure grip, even on slippery materials, and also make it effortless to slide through sleeves while dressing and undressing. The hook is made of food grade aluminium and has an opening width of 100 mm.

Key features

- Special coating of the hook tips provides a highly secure grip
- Made of food grade aluminium
- No finger covers are required
- Anti-stick coating to make dressing and undressing easier
- Opening width: 100 mm
- Weight: 120 g

Technical data

Article number	Side	Threaded stud
10A71=RM12X1.5	right	M12X1.5
10A71=L1/2“-20	left	1/2“-20
10A71=R1/2“-20	right	1/2“-20

- Resistance to chemicals can be tested on request on a case-by-case basis.
- Connecting elements for cable-activated hooks can be ordered separately.

Information material

647G204=ALL_INT	Instructions for use | 10A71=*, 10A81=* MovoHook 2Grip

10A81 **MovoHook 2Grip**

The cable-activated hook for body-powered prostheses has a special coating that provides a very secure grip, even on slippery materials, and also make it effortless to slide through sleeves while dressing and undressing.

Key features

- Special coating of the hook tips provides a highly secure grip
- Made of food grade stainless steel
- No finger covers are required
- Anti-stick coating to make dressing and undressing easier
- Opening width: 100 mm
- Weight: 270 g

Technical data

Article number	Side	Threaded stud
10A81=L1/2“-20	left	1/2“-20
10A81=R1/2“-20	right	1/2“-20
10A81=RM12X1.5	right	M12X1.5

- Resistance to chemicals can be tested on request on a case-by-case basis.
- Connecting elements for cable-activated hooks can be ordered separately.

Accessories/spare parts for 10A71, 10A81

10A101 **Spring set for cable-activated hook, standard**

Replacement spring set as a spare part for the 10A71/10A81 MovoHook 2Grip cable-activated hooks. The set includes both springs, including adapters. The pull of the springs is identical to that of the factory default.

Technical data

Article number
10A101

10A3 **All-purpose hook**

The nickel-plated all-purpose hook has a standard stud.

Key features

- For manual tasks
- Nickel-plated
- With standard stud
- Opening width: 81 mm
- Weight: 330 g

Technical data

Article number	Side
10A3	universal

- Connecting elements for cable-activated hooks can be ordered separately.

Information material

647G455=ALL_INT	Instructions for use | 10A3, 10A4, 10V15, 11S33

10A4 **All-purpose ring**

The nickel-plated all-purpose ring has a standard stud.

Key features

- For manual tasks
- Nickel-plated
- With standard stud
- Length: 100 mm
- Width: 70 mm
- Weight: 180 g

Technical data

Article number	Side
10A4	universal

- Connecting elements for cable-activated hooks can be ordered separately.

Information material

647G455=ALL_INT	Instructions for use | 10A3, 10A4, 10V15, 11S33

Information material

647G1810=ALL_INT	Instructions for use | 8K35 mHand Adapt

8K35 **mHand Adapt**

The mHand Adapt is a cordless and motorless prosthetic hand that makes it easy to grasp objects.

Key features

- Easily controlled gripping force
- Intuitive and easy to learn
- Light weight
- Up to 10 kg support weight
- Vario-Grip
- Waterproof

Technical data

Article number	Size	Weight
8K35=L-L-1	182x92	230
8K35=L-L-2	182x92	230
8K35=L-M-1	172x84	210
8K35=L-M-2	172x84	210
8K35=L-S-1	169x74	170
8K35=L-S-2	169x74	170
8K35=L-XS-1	166x66	160
8K35=L-XS-2	166x66	160
8K35=R-L-1	182x92	230
8K35=R-L-2	182x92	230
8K35=R-M-1	172x84	210
8K35=R-M-2	172x84	210
8K35=R-S-1	169x74	170
8K35=R-S-2	169x74	170
8K35=R-XS-1	166x66	160
8K35=R-XS-2	166x66	160

- The mHand Adapt is prepared for the QD adapter 11S47=40 or threaded connection M12 x 1.5.
- The MySkin Move prosthetic glove (88A16) must be ordered separately.

Information material

647G1763=ALL_INT	Instructions for use | 88A16=* MySkin Move

88A16 **MySkin Move**

The MySkin Move is an individually tailored silicone glove for the mHand Adapt (8K35).

Technical data

Article number	Description
88A16=2	MySkin Move
88A16=3	MySkin Move

- The appropriate mHand (8K35) must be ordered separately.

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Order form.
mHand Adapt with *MySkin Move.*

Order by fax: +49 5527 848-1585
or email: iFab@ottobock.de

Customer

Technician _____

Customer no. _____

Company _____

Street, no. _____

Postal code, city _____

E-mail _____

Shipping address (if different from customer address)

Company _____

Street, no. _____

Postal code, city _____

User information

Salesperson _____

Age _____

Gender ☐ Male ☐ Female ☐ Diverse

Date _____

Signature _____

Selection tool

8K35=* *mHand Adapt*

Article no.	8K35=* -XS-**	8K35=* -S-**	8K35=* -M-**	8K35=* -L-**
Size	XS (2.75")	S (3.00")	M (3.25")	L (3.50")
Length (A)	166 mm	169 mm	172 mm	182 mm
Width without thumb (B)	66 mm	74 mm	84 mm	92 mm

Configuration of the 8K35=* *mHand Adapt*

Side ☐ L = left ☐ R = right

Size ☐ XS ☐ S ☐ M ☐ L

Variant ☐ 1 = Ready for QD connection
☐ 11S47=40*

☐ 2 = M12x1.5 threaded connector

* Must be ordered separately.

Order example: 8K35=L-S-1

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Order form.
mHand Adapt with *MySkin Move.*

MySkin Move configuration

- ☐ **88A16=2** MySkin Move “Classic”
- ☐ **88A16=3** MySkin Move “Natural”
- ☐ Colour determination sheet

Item at extra cost

- ☐ **88A20=T** Tattoo (implementation of special requests)

Scope of delivery

- ☐ Detailed cast with plaster longuette or scan from outer prosthetic socket to metacarpus including thumb base
- ☐ Detailed photos and colour determination on colour determination sheet

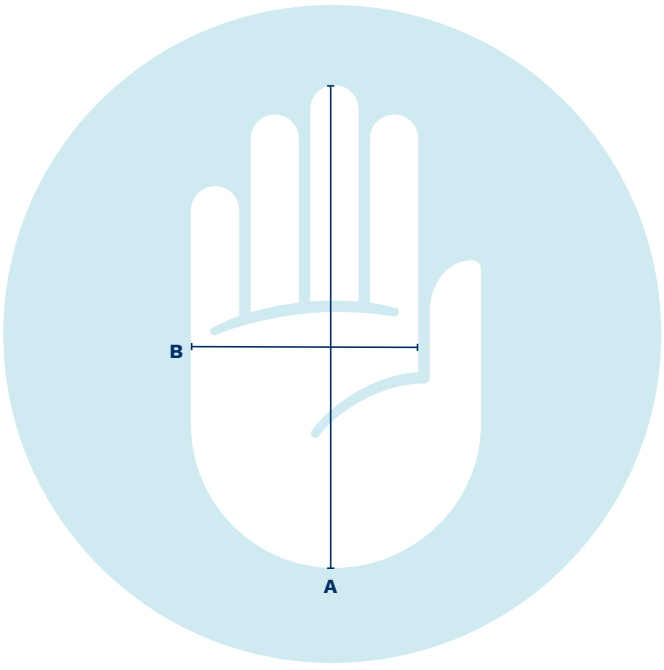
Comments/special features of the prosthesis

Length of the cuff (mm)_____

Selection tool

8K35=* *mHand Adapt*

Article no.	8K35=* -XS-**	8K35=* -S-**	8K35=* -M-**	8K35=* -L-**
Size	XS (2.75")	S (3.00")	M (3.25")	L (3.50")
Length (A)	166 mm	169 mm	172 mm	182 mm
Width without thumb (B)	66 mm	74 mm	84 mm	92 mm



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Colour determination.
mHand Adapt with *MySkin Move.*

Colour sample – colour strength

Use pen to mark skin colours on the sketch.

IV	III* – II	I
Pen	**Colour sample**	**Colour strength**
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Model blood vessels ☐ Yes ☐ No

* Use strength III for the base colour.

Nail length and shape

☐ Like photo ☐ Round ☐ Square

Comments

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Colour determination.
mHand Adapt with *MySkin Move.*

Colour sample – colour strength

Use pen to mark skin colours on the sketch.

IV	III* – II	I
Pen	**Colour sample**	**Colour strength**
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Model blood vessels ☐ Yes ☐ No

* Use strength III for the base colour.

Comments

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ottobock.

Colour determination.
mHand Adapt with *MySkin Move.*

Colour sample – colour strength

Use pen to mark skin colours on the sketch.

IV	III* – II	I
Pen	**Colour sample**	**Colour strength**
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Model blood vessels ☐ Yes ☐ No

* Use strength III for the base colour.

Comments

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8K22 **Single-cable system hand**

These system hands are suitable for all cable-activated prostheses. They are opened by pulling the cable (active) and close independently with concurrent locking.

Technical data

Article number	User group	Side	Size	Inner hand	Weight
8K22=L6 3/4	children	left (L)	6 3/4	8X14=L6 3/4	215 g
8K22=L7 1/4	youths, women	left (L)	7 1/4	8X14=L7 1/4	300 g
8K22=L7 3/4	men	left (L)	7 3/4	8X14=L7 3/4	330 g
8K22=L8	men	left (L)	8	8X14=L8	340 g
8K22=R6 3/4	children	right (R)	6 3/4	8X14=R6 3/4	215 g
8K22=R7 1/4	youths, women	right (R)	7 1/4	8X14=R7 1/4	300 g
8K22=R7 3/4	men	right (R)	7 3/4	8X14=R7 3/4	330 g
8K22=R8	men	right (R)	8	8X14=R8	340 g

- The prosthetic glove must be ordered separately.

Information material

647G445=ALL_INT	Instructions for use | 8K22, 8K23
646D1406=EN_ MASTER	Portfolio brochure – upper limb

8K23 **Single-cable system hand**

These system hands are suitable for all cable-activated prostheses. They are opened by pulling the cable (active) and close independently with concurrent locking.

Technical data

Article number	User group	Side	Size	Inner hand	Weight
8K23=L6 3/4	children	left (L)	6 3/4	8X14=L6 3/4	215 g
8K23=L7 1/4	youths, women	left (L)	7 1/4	8X14=L7 1/4	300 g
8K23=L7 3/4	men	left (L)	7 3/4	8X14=L7 3/4	330 g
8K23=L8	men	left (L)	8	8X14=L8	340 g
8K23=R6 3/4	children	right (R)	6 3/4	8X14=R6 3/4	215 g
8K23=R7 1/4	youths, women	right (R)	7 1/4	8X14=R7 1/4	300 g
8K23=R7 3/4	men	right (R)	7 3/4	8X14=R7 3/4	330 g
8K23=R8	men	right (R)	8	8X14=R8	340 g

- The prosthetic glove must be ordered separately.

Information material

647G445=ALL_INT	Instructions for use | 8K22, 8K23
646D1406=EN_ MASTER	Portfolio brochure – upper limb

8K26 **Double-cable system hand**

These system hands close by pulling the cable – a subsequent adjustment pull increases the gripping force – and lock in any gripping position (active). Through renewed activation of the cable, the hands are released and open independently (double cable).

Technical data

Article number	User group	Side	Size	Inner hand	Weight
8K26=L7 1/4	youths, women	left (L)	7 1/4	8X14=L7 1/4	340 g
8K26=L7 3/4	men	left (L)	7 3/4	8X14=L7 3/4	370 g
8K26=L8	men	left (L)	8	8X14=L8	380 g
8K26=R7 1/4	youths, women	right (R)	7 1/4	8X14=R7 1/4	340 g
8K26=R7 3/4	men	right (R)	7 3/4	8X14=R7 3/4	370 g
8K26=R8	men	right (R)	8	8X14=R8	380 g

- The prosthetic glove must be ordered separately.

Information material

647G446=ALL_INT	Instructions for use | 8K26, 8K27
646D1406=EN_ MASTER	Portfolio brochure – upper limb

8K27 **Double-cable system hand**

These system hands close by pulling the cable – a subsequent adjustment pull increases the gripping force – and lock in any gripping position (active). Through renewed activation of the cable, the hands are released and open independently (double cable).

Technical data

Article number	User group	Side	Size	Inner hand	Weight
8K27=L7 1/4	youths, women	left (L)	7 1/4	8X14=L7 1/4	340 g
8K27=L7 3/4	men	left (L)	7 3/4	8X14=L7 3/4	370 g
8K27=L8	men	left (L)	8	8X14=L8	380 g
8K27=R7 1/4	youths, women	right (R)	7 1/4	8X14=R7 1/4	340 g
8K27=R7 3/4	men	right (R)	7 3/4	8X14=R7 3/4	370 g
8K27=R8	men	right (R)	8	8X14=R8	380 g

- The prosthetic glove must be ordered separately.

Information material

647G446=ALL_INT	Instructions for use | 8K26, 8K27
646D1406=EN_ MASTER	Portfolio brochure – upper limb

8X14 **System inner hand**

System inner hand with support for little finger and ring finger as well as retainer ring (article no. 9S187).

Technical data

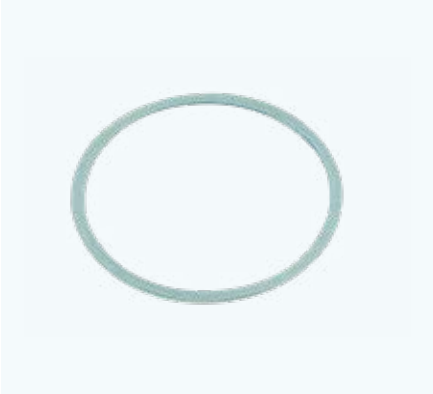
Article number	Side	For hand size
8X14=L6 3/4	left (L)	6 3/4
8X14=L7 1/4	left (L)	7 1/4
8X14=L7 3/4	left (L)	7 3/4
8X14=L8	left (L)	8
8X14=R6 3/4	right (R)	6 3/4
8X14=R7 1/4	right (R)	7 1/4
8X14=R7 3/4	right (R)	7 3/4
8X14=R8	right (R)	8

9S187 **Retainer ring, wide**

Wide lock ring. Compatible with the system inner hand (article number 8X14 and 8X18) and in hand sizes 7 ¼, 7 ¾ and 8.

Technical data

Article number	For hand size
9S187=7 1/4	7 1/4
9S187=7 3/4	7 3/4, 8
9S187=8 1/4	8 1/4



9S15 **Retainer ring, narrow**

Retainer ring to secure the system inner hand (article no. 8X14).

Technical data

Article number	Diameter
9S15=46	46 mm
9S15=48	48 mm
9S15=49	49 mm

21A8 **Suspension rosette**

The suspension rosette is a spare part for the voluntary opening system hands (article no. 8K22, 8K23), for the voluntary closing system hands (article no. 8K26, 8K27) as well as for the FreeWalk orthotic system. It also serves as a spare part for the connection piece for hook (article no. 21A44).

Technical data

Article number	Weight	Contents	Width	Length	Quantity unit
21A8	0,6 g	1 Piece(s)	5 mm	11 mm	Piece

9S* **Chassis with threaded stud**

With threaded stud.

Technical data

Product image	Article number	For hand size	Diameter	Threaded stud
	9S10=40	6 3/4	40 mm	M12X1,5
	9S166=44-N	7 1/4	44 mm	M12X1,5
	9S166=48-N	7 3/4 - 8	48 mm	M12X1,5
	9S52=40	6 3/4	40 mm	1/2”–20
	9S185=44-N	7 1/4	44 mm	1/2”–20
	9S185=48-N	7 3/4 - 8	48 mm	1/2”–20

9S6 **Finger and thumb tip**

Finger and thumb cover compatible with hand sizes 6 3/4, 7 1/4, 7 3/4 and 8.

Technical data

Article number	For hand size
9S6	6 3/4, 7 1/4, 7 3/4 und 8

9E94 **Lamination ring**

Lamination ring available for hand sizes 6 3/4, 7 1/4, 7 3/4 and 8.

Technical data

Article number	Diameter	For hand size
9E94=44	44 mm	6 3/4
9E94=50	50 mm	7 1/4 - 8

9S96 **Chassis**

Chassis for overlong forearm and wrist disarticulation residual limbs. Compatible with the 9E94 lamination ring.

Technical data

Article number	Diameter	For hand size
9S96=40	40 mm	6 3/4

9S184 **Chassis**

Chassis for overlong forearm and wrist disarticulation residual limbs. Compatible with the 9E94 lamination ring.

Technical data

Article number	Diameter	For hand size
9S184=44-N	44 mm	7 1/4
9S184=48-N	48 mm	7 3/4 - 8

506G4 **Grub screw**

Set screw for chassis. Four set screws are required per chassis.

Technical data

Article number
506G4=M4X5
506G4=M3X5

501T52 **Flange button head socket screw**

The flange button head screw is used to bolt the chassis to the base plate of the system hand (all sizes). Two pieces are required.

Technical data

Article number	Length	Thread	Quantity unit
501T52=M3X6	6	M3	Pair
501T52=M3X8	8	M3	Pair

10Y13 **Rubber band**

Spare part for the 10A25 and 10A37 cable-activated hooks.

Technical data

Article number	User group	Width	Length
10Y13	children, youths	14 mm	25 mm

21A9 **Connection piece screw**

The screw is a spare part for the 21A13=3 connection piece for cable-activated hooks.

Technical data

Article number	Diameter	Contents	Length	Weight
21A9	2,25 mm	1 Piece(s)	12 mm	0,9 g

21A10 **Spacer washer**

The spacer washer is a spare part for the 21A13=3 connection piece for cable-activated hooks.

Technical data

Article number	Diameter	Contents	Weight	Quantity unit
21A10	5,85 mm	1 Piece(s)	0,1 g	Piece

21A13 **Connection piece for cable-activated hook**

Connection piece for cable-activated hooks with 21A9 connection piece screw and 21A10 spacer washer or with 10Y31=1 ball-shaft adapter. Material: perlon cable.

Technical data

Article number	for
21A13=3	Ottobock 10A11, 10A12, 10A60 cable-activated hooks in combination with the 21A35 / 21A36 body harnesses
21A13=4	Ottobock 10A71 and 10A81 cable-activated hooks in combination with the 21A35 / 21A36 body harnesses

21A44 Connection piece for cable-activated hook

Connection piece for hook with suspension rosette.

Technical data

Article number
21A44

Information material

647G468=ALL_INT	Instructions for use (qualified personnel) | 8S4=*, 8S5=*, 8S6=*, 8S11=*, 8S12=*, 8S13=*, 8S20=*

8S6 **Prosthetic glove for children**

The prosthetic glove for children features a natural appearance, durability and flexibility.

Technical data

Article number	Side	For hand size	Sleeve length
8S6=170X65L	left (L)	6 3/4	300 mm
8S6=170X65R	right (R)	6 3/4	300 mm

- Available in 18 different shades. When ordering, please add the colour sample set according to the 646M3 colour swatches to the end of the article number.

Information material

647G571=ALL_INT	Instructions for use (qualified personnel) | 8S4N=*, 8S5N=*, 8S6N=*, 8S11N=*, 8S12N=*, 8S13N=*, 8S20N=*
647H895=ALL_INT	Instructions for use (patient) | 8S4N=*, 8S5N=*, 8S6N=*, 8S11N=*, 8S12N=*, 8S13N=*, 8S20N=*

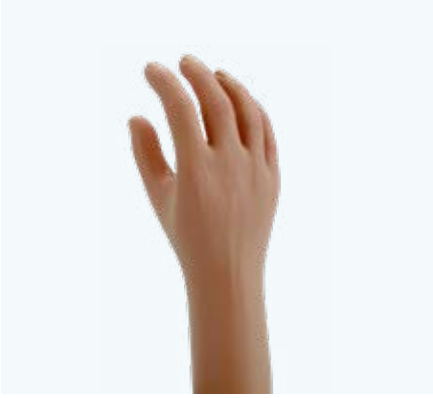
8S6N **Skin Natural prosthetic glove for children**

The Skin Natural prosthetic glove for children features a natural appearance, durability and flexibility.

Technical data

Article number	Side	For hand size	Sleeve length
8S6N=170X65L	left (L)	6 3/4	300 mm
8S6N=170X65R	right (R)	6 3/4	300 mm

- The entire Skin Natural colour palette is produced with seven colours. The colour sample set (article no. 646M47) helps with determining the right colour.



Information material

647G468=ALL_INT	Instructions for use (qualified personnel) | 8S4=*, 8S5=*, 8S6=*, 8S11=*, 8S12=*, 8S13=*, 8S20=*
647H1258=ALL_INT	Instructions for use (user) | 8S4, 8S5, 8S6, 8S11, 8S12, 8S13, 8S20

8S4 **Prosthetic glove for adolescents**

The prosthetic glove for men features a natural appearance, durability and flexibility.

Technical data

Article number	Side	For hand size	Sleeve length
8S4=190X76L	left (L)	7 1/4	215 mm
8S4=190X76R	right (R)	7 1/4	215 mm

- The entire SkinNatural colour palette is produced with seven colours. The new 646M47 colour scale helps to select the right sample.
- Available in 18 different shades. When ordering, please add the colour sample set according to the 646M3 colour swatches to the end of the article number.

8S4N **Skin Natural prosthetic glove for adolescents**

The Skin Natural prosthetic glove for men features a highly natural appearance and improved cleaning characteristics in particular.

Technical data

Article number	Side	For hand size	Sleeve length
8S4N=190X76L	left (L)	7 1/4	215 mm
8S4N=190X76R	right (R)	7 1/4	215 mm

- The entire Skin Natural colour palette is produced with seven colours. The colour sample set (article no. 646M47) helps with determining the right colour.

Information material

647H895=ALL_INT	Instructions for use (patient) | 8S4N=*, 8S5N=*, 8S6N=*, 8S11N=*, 8S12N=*, 8S13N=*, 8S20N=*
647G571=ALL_INT	Instructions for use (qualified personnel) | 8S4N=*, 8S5N=*, 8S6N=*, 8S11N=*, 8S12N=*, 8S13N=*, 8S20N=*

8S4 **Prosthetic glove for men**

The prosthetic glove for men features a natural appearance, durability and flexibility.

Technical data

Article number	Side	For hand size	Sleeve length
8S4=220X80L	left (L)	8	225 mm
8S4=220X80R	right (R)	8	225 mm

- The entire SkinNatural colour palette is produced with seven colours. The new 646M47 colour scale helps to select the right sample.
- Available in 18 different shades. When ordering, please add the colour sample set according to the 646M3 colour swatches to the end of the article number.

Information material

647G468=ALL_INT	Instructions for use (qualified personnel) | 8S4=*, 8S5=*, 8S6=*, 8S11=*, 8S12=*, 8S13=*, 8S20=*
647H1258=ALL_INT	Instructions for use (user) | 8S4, 8S5, 8S6, 8S11, 8S12, 8S13, 8S20

8S4N **Skin Natural prosthetic glove for men**

The Skin Natural prosthetic glove for men features a highly natural appearance and improved cleaning characteristics in particular.

Technical data

Article number	Side	For hand size	Sleeve length
8S4N=220X80L	left (L)	8	225 mm
8S4N=220X80R	right (R)	8	225 mm

- The entire Skin Natural colour palette is produced with seven colours. The colour sample set (article no. 646M47) helps with determining the right colour.

Information material

647G571=ALL_INT	Instructions for use (qualified personnel) | 8S4N=*, 8S5N=*, 8S6N=*, 8S11N=*, 8S12N=*, 8S13N=*, 8S20N=*
647H895=ALL_INT	Instructions for use (patient) | 8S4N=*, 8S5N=*, 8S6N=*, 8S11N=*, 8S12N=*, 8S13N=*, 8S20N=*

8S11 **Prosthetic glove for adolescents and men**

Made of robust PVC material, the prosthetic glove for adolescents and men features a natural appearance and flexibility. It protects the MyoBock hand against environmental influences such as dust, dirt and moisture.

Technical data

Article number	Side	For hand size	Sleeve length
8S11=210X78L	left (L)	7 3/4	320 mm
8S11=210X78R	right (R)	7 3/4	320 mm

- Available in 18 different shades. When ordering, please add the colour sample set according to the 646M3 colour swatches to the end of the article number.

Information material

647G468=ALL_INT	Instructions for use (qualified personnel) | 8S4=*, 8S5=*, 8S6=*, 8S11=*, 8S12=*, 8S13=*, 8S20=*
647H1258=ALL_INT	Instructions for use (user) | 8S4, 8S5, 8S6, 8S11, 8S12, 8S13, 8S20

8S11N **Skin Natural prosthetic glove for men and adolescents**

The Skin Natural prosthetic glove for adolescents and men features a highly natural appearance and improved cleaning characteristics in particular.

Technical data

Article number	Side	For hand size	Sleeve length
8S11N=210X78L	left (L)	7 3/4	320 mm
8S11N=210X78R	right (R)	7 3/4	320 mm

- The entire Skin Natural colour palette is produced with seven colours. The colour sample set (article no. 646M47) helps with determining the right colour.

Information material

647G571=ALL_INT	Instructions for use (qualified personnel) | 8S4N=*, 8S5N=*, 8S6N=*, 8S11N=*, 8S12N=*, 8S13N=*, 8S20N=*
647H895=ALL_INT	Instructions for use (patient) | 8S4N=*, 8S5N=*, 8S6N=*, 8S11N=*, 8S12N=*, 8S13N=*, 8S20N=*

8S5 **Prosthetic glove for women**

The prosthetic glove for women features a natural appearance, durability and flexibility.

Technical data

Article number	Side	For hand size	Sleeve length
8S5=195X78L	left (L)	7 1/4	340 mm
8S5=195X78R	right (R)	7 1/4	340 mm

- The entire SkinNatural colour palette is produced with seven colours. The new 646M47 colour scale helps to select the right sample.
- Available in 18 different shades. When ordering, please add the colour sample set according to the 646M3 colour swatches to the end of the article number.

Information material

647G468=ALL_INT	Instructions for use (qualified personnel) | 8S4=*, 8S5=*, 8S6=*, 8S11=*, 8S12=*, 8S13=*, 8S20=*
647H1258=ALL_INT	Instructions for use (user) | 8S4, 8S5, 8S6, 8S11, 8S12, 8S13, 8S20

Information material

647G571=ALL_INT	Instructions for use (qualified personnel) | 8S4N=*, 8S5N=*, 8S6N=*, 8S11N=*, 8S12N=*, 8S13N=*, 8S20N=*
647H895=ALL_INT	Instructions for use (patient) | 8S4N=*, 8S5N=*, 8S6N=*, 8S11N=*, 8S12N=*, 8S13N=*, 8S20N=*

8S5N **Skin Natural prosthetic glove for women**

The Skin Natural prosthetic glove for women features a natural appearance, durability and flexibility.

Technical data

Article number	Side	For hand size	Sleeve length
8S5N=195X78L	left (L)	7 1/4	340 mm
8S5N=195X78R	right (R)	7 1/4	340 mm

- The entire Skin Natural colour palette is produced with seven colours. The colour sample set (article no. 646M47) helps with determining the right colour.

10V36 **Ottobock friction wrist unit**

Ottobock wrist joint with interior thread and cylindrical lamination ring. Thread: ½“-20.

Technical data

Article number	User group	Wrist connection Ø	Overall length	Weight
10V36=34	children	34 mm	25 mm	35 g
10V36=45	adults	45 mm	31 mm	55 g
10V36=50	adults	50 mm	31 mm	65 g

Information material

647G453=ALL_INT	Instructions for use | 10V18,10V36

Accessories/spare parts for 10V18, 10V36

11D20 **Cylindrical lamination ring**

The lamination ring is a spare part for Ottobock wrist joints. It is available in various outer diameters between 28 and 50 mm.

Technical data

Article number	Spare part for	User group	Outside Ø
11D20=34	10V18=34	children	34 mm
11D20=40	10V18=40	youths	40 mm
11D20=45	10V18=45 10V36=45	adults	45 mm
11D20=50	10V8 10V18=50 10V36=50	adults	50 mm

11D27 **Rubber friction ring**

Spare part for the Ottobock 10V18 and 10V36 wrist joints.

Technical data

Article number	For lamination ring Ø	Diameter
11D27=25	28 mm	25 mm
11D27=32	34, 40, 45, 50 mm	32 mm

501S40 **Oval head screw (sheet metal screw)**

Oval head screw as spare part for the 11D20 cylindrical lamination ring of the 10V18, 10V32, 10V34 and 10V36 wrist joints.

Technical data

Article number	For lamination ring Ø
501S40=3.5X9.5	28, 34 mm
501S40=3.5X13	40, 45, 50 mm

10V8 **Ball ratchet wrist joint**

The ball ratchet wrist with lock lever is used to connect a hand or a hook to a 10A43 attachment plate with stud. The joint body has a diameter of 50 mm.

Technical data

Article number	Diameter	Weight	Overall length
10V8	50 mm	118 g	25 mm

- To connect with a hand or a hook, the 10A43 attachment plate with stud must be used.

10V30 **Ball ratchet wrist, short**

The short ball ratchet wrist with lock lever can be used for prostheses for long forearm residual limbs. The joint body has a diameter of 50 mm.

Technical data

Article number	Diameter	Weight	Overall length
10V30	50 mm	96 g	19 mm

- To connect with a hand or a hook, the 10A56 attachment plate with the short stud must be used.

10V15 **Standard connector**

Standard connector for accommodating terminal devices with a standard stud (diameter: 13 mm) and for connecting to ball ratchet or ratchetless wrist joints. With attachment plate and stud.

Technical data

Article number	Accessory for	Diameter	Weight	Overall length
10V15	10V8	13 mm	63 g	52 mm

11S33 **Wrist lock with standard connector**

Quick-disconnect wrist unit with standard connector for accommodating terminal devices with a standard stud (diameter: 13 mm) and for attachment to the Ottobock system wrist joint.

Technical data

Article number	Outside Ø
11S33=40	40 mm
11S33=44	44 mm
11S33=48	48 mm

10A43 **Attachment plate with stud**

Attachment plate with stud to connect a cable-activated hook or a system hand to the 10V8 wrist joint. Made of stainless steel with a diameter of 50 mm and an interior thread.

Technical data

Article number	Accessory for	User group	Diameter	Interior thread
10A43=1/2“-20	10V8	adults, mature adults	50 mm	1/2“-20
10A43=M12X1.5	10V8	adults, mature adults	50 mm	M12X1,5

10A56 **Attachment plate with short stud**

Attachment plate with short stud to connect a cable-activated hook or a system hand to the 10V30 wrist joint. Made of stainless steel with a diameter of 50 mm and an interior thread.

Technical data

Article number	Accessory for	User group	Diameter	Interior thread	Material
10A56=M12X1.5	10V30	adults, mature adults	50 mm	M12X1,5	Stainless steel
10A56=1/2“-20	10V30	adults, mature adults	50 mm	1/2“-20	Stainless steel

10V39 **MovoWrist flex**

Flexion wrist for connection to the endoskeletal adapter.

Key features

- For use with system hands, hooks or tools
- Flexion/extension and rotation activated independently
- With quick disconnect
- Weight: 110 g–130 g
- Overall length: 33 mm, of which 12 mm are visible on the distal end.
- Neutral 0-position: 0°
- Extension position: -15°
- Flexion position: 15°/30°/45°
- Rotation: 20 increments every 18°

Technical data

Article number	User group	Overall length	Wrist connection Ø	Extension (rotation)	Flexion (rotation)	Weight
10V39=45	adults, mature adults	33 mm	45 mm	15°	45°	110 g
10V39=50	adults, mature adults	33 mm	50 mm	15°	45°	130 g

- Stainless steel adapter (article no. 10A30), can be ordered for connection to the MovoWrist Flex.
- Lamination ring (article no. 11D1) can be ordered separately.

Information material

647G375=ALL_INT	Instructions for use | 10V39

Accessories/spare parts for 10V39

11D1 **Lamination ring**

Lamination ring for MovoWrist Flex wrist joint. Please note the correct diameter of the joint when placing your order.

Technical data

Article number	Spare part for	Diameter
11D1=45	10V39=45	45 mm
11D1=50	10V39=50	50 mm

12K41 **ErgoArm®**

The ErgoArm is a mechanical elbow component for passive and cable-controlled prostheses and has an internal ratchetless lock which can be operated with the lock cable, even under load. With slip-stop function for controlled lowering of the forearm as well as upper arm rotation joint (humeral rotation feature) with adjustable friction.

Key features

- Mechanical elbow component for passive and cable-controlled prostheses
- Internal ratchetless lock that can be locked or unlocked with the lock cable, even under load
- Upper arm rotation joint (humeral rotation feature) with adjustable friction
- Slip-stop function
- Forearm can be shortened (length 305 mm, circumference approx. 250 mm)
- Weight: approx. 550–580 g

Information material

647G1599=ALL_INT	Instructions for use (qualified personnel) | 12K41, 12K42, 12K44, 12K50 ErgoArm
646D626=EN	Brochure for technicians – elbow joints
646D1437=EN_MASTER	Product brief – ErgoArm product range
646D1545=EN_MASTER	Selection aid | ErgoArm product range

Technical data

Article number	Length	Circumference	Upper arm connection Ø	For lamination ring Ø	For hand size	Colour
12K41=45	305 mm	250 mm	70 mm	45 mm	6 3/4 – 7 1/4	4 Skin colour
12K41=50	305 mm	250 mm	70 mm	50 mm	7 3/4 – 8 1/4	4 Skin colour
12K41=50-1	305 mm	250 mm	70 mm	50 mm	7 3/4 – 8 1/4	11 Skin colour
12K41=50-2	305 mm	250 mm	70 mm	50 mm	7 3/4 – 8 1/4	15 Skin colour

- The colours roughly correspond to the glove colours according to the colour sample set (article no. 646M3).
- Please note that the -1 and -2 variants are fabricated only after receipt of an order. As a result, longer delivery times are to be expected.

12K42 **ErgoArm® plus**

The ErgoArm plus is a mechanical elbow component for passive and cable-controlled prostheses and has an internal ratchetless lock which can be operated with the lock cable, even under load. It comes with the slip-stop function for controlled lowering of the forearm as well as the flexion aid (AFB).

Key features

- Mechanical elbow component for passive and cable-controlled prostheses
- With AFB flexion aid
- Internal ratchetless lock that can be locked or unlocked with the lock cable, even under load
- Upper arm rotation joint (humeral rotation feature) with adjustable friction
- Slip-stop function
- Forearm can be shortened (length 305 mm, circumference approx. 250 mm)
- Weight: approx. 570–610 g

Information material

647G1599=ALL_INT	Instructions for use (qualified personnel) | 12K41, 12K42, 12K44, 12K50 ErgoArm

Technical data

Article number	Length	Circumference	Upper arm connection Ø	For lamination ring Ø	For hand size	Colour
12K42=45	305 mm	250 mm	70 mm	45 mm	6 3/4 – 7 1/4	4 Skin colour
12K42=45-7	305 mm	250 mm	70 mm	45 mm	6 3/4 - 7 1/4	7 Black
12K42=50	305 mm	250 mm	70 mm	50 mm	7 3/4 – 8 1/4	4 Skin colour
12K42=50-1	305 mm	250 mm	70 mm	50 mm	7 3/4 – 8 1/4	11 Skin colour
12K42=50-2	305 mm	250 mm	70 mm	50 mm	7 3/4 – 8 1/4	15 Skin colour
12K42=50-7	305 mm	250 mm	70 mm	50 mm	7 3/4 – 8 1/4	7 Black

- The colours roughly correspond to the glove colours according to the colour sample set (article no. 646M3).
- Please note that the -1 and -2 variants are fabricated only after receipt of an order. As a result, longer delivery times are to be expected.

Accessories/spare parts for 12K41, 12K42

12A13 **Elbow joint**

Spare part for the ErgoArm elbow joints (article no. 12K41, 12K42, 12K44, 12K50) and the AxonArm Ergo (article no. 12K501).

Technical data

Article number	Colour
12A13	4 Skin colour
12A13-1	11 Skin colour
12A13-2	15 Skin colour

12K48 **Forearm**

The forearm is suitable for the ErgoArm plus (article no. 12K42), ErgoArm Hybrid plus (article no. 12K44) and ErgoArm Electronic plus (article no. 12K50).

Technical data

Article number	Length	Diameter	Colour	Material
12K48=45	305 mm	45 mm	4 Skin colour	Plastic
12K48=50	305 mm	50 mm	4 Skin colour	Plastic
12K48=45-1	305 mm	45 mm	11 Skin colour	Plastic
12K48=45-2	305 mm	45 mm	15 Skin colour	Plastic
12K48=50-1	305 mm	50 mm	11 Skin colour	Plastic
12K48=50-2	305 mm	50 mm	15 Skin colour	Plastic

12K49 **Forearm**

The forearm is compatible with the ErgoArm (article no. 12K41).

Technical data

Article number	Length	Wrist connection Ø	For hand size	Colour	Material
12K49=45	305 mm	45 mm	6 3/4 - 7 1/4	4 Skin colour	Plastic
12K49=50	305 mm	50 mm	7 3/4 – 8 1/4	4 Skin colour	Plastic
12K49=50-2	305 mm	50 mm	7 3/4 – 8 1/4	15 Skin colour	Plastic

13G68 **Clamp plate**

The clamp plate is a spare part for the following elbow joints: ErgoArm (article no. 12K41, 12K42, 12K44, 12K50) and AxonArm Ergo (article no. 12K501).

Technical data

Article number	for	Colour
13G68	12K41=* ErgoArm 12K42=* ErgoArm plus	4 Skin colour

13Z47 **Lamination ring**

The lamination ring is a spare part for the elbow joints of the ErgoArm product range (article no. 12K41, 12K42, 12K44 and 12K50), the DynamicArm product range (article no. 12K100N, 12K110N) and the AxonArm Ergo (article no. 12K501).

Technical data

Article number	for
13Z47	12K41 / 12K42 / 12K44 / 12K50 / 12K100N / 12K110N / 12K500 / 12K501 elbow joints.

13Z48 **Ball Cap**

The plastic cap is a spare part for the elbow ball of the elbow joints in the ErgoArm product range (article no. 12K41, 12K42, 12K44 and 12K50), the DynamicArm product range (article no. 12K100N, 12K110N) and the AxonArm Ergo (article no. 12K501).

Technical data

Article number	for	Colour
13Z48	12K41 / 12K42 / 12K44 / 12K50 / 12K100N / 12K110N / 12K500 / 12K501 elbow joints	4 Skin colour
13Z48-1	12K41 / 12K42 / 12K44 / 12K50 / 12K100N / 12K110N / 12K500 / 12K501 elbow joints	11 Skin colour
13Z48-2	12K41 / 12K42 / 12K44 / 12K50 / 12K100N / 12K110N / 12K500 / 12K501 elbow joints	15 Skin colour

13Z50 **Thread segment**

The thread segment is a spare part for the elbow joints of the ErgoArm product range (article no. 12K41, 12K42, 12K44 and 12K50), the DynamicArm product range (article no. 12K100N, 12K110N) and the AxonArm Ergo (article no. 12K501).

Technical data

Article number	for	Colour
13Z50	12K41 / 12K42 / 12K44 / 12K50 / 12K100N / 12K110N / 12K500 / 12K501 elbow joints	4 Skin colour
13Z50-1	12K41 / 12K42 / 12K44 / 12K50 / 12K100N / 12K110N / 12K500 / 12K501 elbow joints	11 Skin colour
13Z50-2	12K41 / 12K42 / 12K44 / 12K50 / 12K100N / 12K110N / 12K500 / 12K501 elbow joints	15 Skin colour
13Z50-7	12K41 / 12K42 / 12K44 / 12K50 / 12K100N / 12K110N / 12K500 / 12K501 elbow joints	7 Black

13Z51 **Hole covering**

The hole covering is a spare part for the elbow joints of the ErgoArm product range (article no. 12K41, 12K42, 12K44 and 12K50).

Technical data

Article number	for	Colour
13Z51	12K41 / 12K42 / 12K44 / 12K50 ErgoArm	4 Skin colour
13Z51-1	12K41 / 12K42 / 12K44 / 12K50 ErgoArm	11 Skin colour
13Z51-2	12K41 / 12K42 / 12K44 / 12K50 ErgoArm	15 Skin colour

13Z52 **Spring telescope**

The spring telescope is a spare part for the elbow joints of the Ergo Arm product range (article no. 12K41, 12K42, 12K44 and 12K50), the DynamicArm product range (article no. 12K100N, 12K110N) and for the AxonArm Ergo (article no. 12K501).

Technical data

Article number	for
13Z52	12K41 / 12K42 / 12K44 / 12K50 / 12K100N / 12K110N / 12K500 / 12K501 elbow joints

13Z53 **Switch cable**

The switch cable is a spare part for the elbow joints of the ErgoArm product range (article no. 12K41, 12K42, 12K44 and 12K50), the DynamicArm product range (article no. 12K100N, 12K110N) and the AxonArm Ergo (article no. 12K501).

Technical data

Article number	for
13Z53	12K41 / 12K42 / 12K44 / 12K50 / 12K100N / 12K110N / 12K500 / 12K501 elbow joints

13Z55 **Lamination protection cover**

The lamination cover is a spare part for the ErgoArm (article no. 12K41) and ErgoArm plus (article no. 12K42) elbow joints.

Technical data

Article number	for	Colour
13Z55	ErgoArm 12K41 /12K42	4 Skin colour

13Z56 **Tongue Cap**

The bracket cover is a spare part for the elbow joints of the ErgoArm product range (article no. 12K41, 12K42, 12K44 and 12K50), the DynamicArm product range (article no. 12K100N, 12K110N) and the AxonArm Ergo (article no. 12K501).

Technical data

Article number	for	Colour
13Z56	12K41 / 12K42 / 12K44 / 12K50 / 12K100N / 12K110N / 12K500 / 12K501 elbow joints	4 Skin colour
13Z56-1	12K41 / 12K42 / 12K44 / 12K50 / 12K100N / 12K110N / 12K500 / 12K501 elbow joints	11 Skin colour
13Z56-2	12K41 / 12K42 / 12K44 / 12K50 / 12K100N / 12K110N / 12K500 / 12K501 elbow joints	15 Skin colour
13Z56-7	12K41 / 12K42 / 12K44 / 12K50 / 12K100N / 12K110N / 12K500 / 12K501 elbow joints	15 Skin colour

13Z57 **Pressure piece**

The pressure piece is a spare part for the elbow joints of the ErgoArm product range (article no. 12K41, 12K42, 12K44 and 12K50), the DynamicArm product range (article no. 12K100N, 12K110N) and the AxonArm Ergo (article no. 12K501).

Technical data

Article number	for	Colour
13Z57	12K41 / 12K42 / 12K44 / 12K50 / 12K100N / 12K110N / 12K500 / 12K501 Elbow joints.	4 Skin colour
13Z57-2	12K41 / 12K42 / 12K44 / 12K50 / 12K100N / 12K110N / 12K500 / 12K501 Elbow joints.	15 Skin colour
13Z57-1	12K41 / 12K42 / 12K44 / 12K50 / 12K100N / 12K110N / 12K500 / 12K501 Elbow joints.	11 Skin colour

13Z58 **Eccentric**

The eccentric is a spare part for the elbow joints of the ErgoArm product range (article no. 12K41, 12K42, 12K44 and 12K50), the DynamicArm product range (article no. 12K100N, 12K110N) and the AxonArm Ergo (article no. 12K501).

Technical data

Article number	for	Colour
13Z58	12K41 / 12K42 / 12K44 / 12K50 / 12K100N / 12K110N / 12K500 / 12K501 Elbow joints	4 Skin colour
13Z58-1	12K41 / 12K42 / 12K44 / 12K50 / 12K100N / 12K110N / 12K500 / 12K501 Elbow joints	11 Skin colour
13Z58-2	12K41 / 12K42 / 12K44 / 12K50 / 12K100N / 12K110N / 12K500 / 12K501 Elbow joints	15 Skin colour

501S84 **Flat head screw**

The 501S84=M4X20 countersunk head screw is a spare part for the ErgoArm elbow components.

Technical data

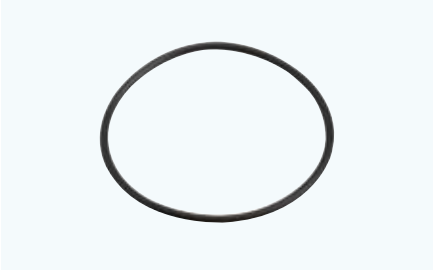
Article number	Quantity unit
501S84=M4x20	Piece

501S101 **Countersunk head screw**

The 501S101=M4X12 Phillips countersunk head screw is a spare part for the ErgoArm elbow components.

Technical data

Article number
501S101=M4x12



627F13 **O-ring**

This is a spare part for the 21Y21 ClickValve.
The O-ring is an accessory or spare part for the MyolinoWrist 2000 ball wrist joint (article no. 10V51).

Technical data

Article number
627F13=60X2.5

743A23 **Alignment aid for ErgoArm**

The alignment and foaming aid allows the alignment of an interim prosthesis for functional training in the rehabilitation phase.

Technical data

Article number	for
743A23	Alignment of an interim prosthesis with ErgoArm elbow joint for functional training in the rehabilitation phase

743A27 **Alignment aid for DynamicArm**

Alignment and foaming aid allows the alignment of an interim prosthesis for functional training in the rehabilitation phase.

Technical data

Article number	for
743A27	DynamicArm and ErgoArm

21A207 **Clamp stopple set**

The set allows for the connection of a 12K48=* or 12K49=* ErgoArm forearm to the flexion cable of a 21A35=* triple-control above-elbow harness.

Technical data

Article number	for	Scope of delivery
21A207	Connecting an ErgoArm forearm (article no. 12K48=* or 12K49=*) to the flexion cable of the triple-control upper arm harness (article no. 21A35=*).	- Clamp stopple, 10 pcs. - Threaded nut, short, 10 pcs. - Twist drill, diameter: 5.5 mm, 1 pc.

12K5 **Elbow component**

The elbow component with upper arm rotation joint (humeral rotation feature), an elbow ball made of beige plastic and a plastic forearm has a manual elbow lock with 13 locking positions at increments of about 8° each.

Technical data

Article number	Length	Circumference	For hand size	Upper arm connection Ø	For lamination ring Ø	Colour
12K5=45	270 mm	245 mm	6 3/4 – 7 1/4	67 mm	45 mm	4 Skin colour
12K5=50	270 mm	245 mm	7 3/4 – 8 1/4	67 mm	50 mm	4 Skin colour

Information material

647G469=ALL_INT	Instructions for use | 12K19, 12K5, 12K20

12K20 **Elbow component**

The elbow component with upper arm rotation joint (humeral rotation feature) and a dark brown plastic forearm has a manual elbow lock with 13 locking positions at increments of about 8° each. It has an opening for the 9E185=50-1 extension cable.

Technical data

Article number	Length	Circumference	For hand size	Upper arm connection Ø	For lamination ring Ø	Colour
12K20=45	270 mm	245 mm	6 3/4 – 7 1/4	67 mm	45 mm	15 Skin colour
12K20=50	270 mm	245 mm	7 3/4 – 8 1/4	67 mm	50 mm	15 Skin colour

Information material

647G469=ALL_INT	Instructions for use | 12K19, 12K5, 12K20

Accessories/spare parts for 12K5, 12K20

13G8 **Lamination ring**

Lamination ring for use with the elbow components with passive lock (article no. 12K5 and 12K20) and the transhumeral modular kit (article no. 12R6).

Technical data

Article number	Spare part for	User group	Outside Ø
13G8=67	12R6 12R6 12K5 12K5 12K20 12K20	children, youths	67 mm

12K19 **Elbow component for children**

The elbow component for children features a manual elbow lock and an upper arm rotation joint with lamination ring. The corresponding elbow ball is made of beige plastic. The wrist connection has a diameter of 40 mm. The elbow joint is suitable for prostheses in combination with the Electric Hand 2000.

Key features

- Wrist connector diameter: 40 mm
- Suitable for prostheses with the Electric Hand 2000 (article no. 8E51)
- Made of beige plastic (corresponds to skin colour 2 according to 646M3 colour sample set)

Technical data

Article number	Upper arm connection Ø	Wrist connection Ø	For hand size
12K19=40	54 mm	40 mm	6 3/4

Information material

647G469=ALL_ INT	Instructions for use | 12K19, 12K5, 12K20

Accessories/spare parts for 12K19

13G8 **Lamination ring**

Lamination ring for use with elbow components for children (article no. 12K19=40).

Technical data

Article number	Spare part for	User group	Outside Ø
13G8=54	12K19	children, youths	54 mm

12K12 **MovolinoArm Friction**

The MovolinoArm Friction elbow joint is suitable for right and left side prostheses in children aged three to five years. It is compatible with body-powered and myoelectric arm prostheses. The elbow has one friction setting for humeral rotation and one for flexion or extension of the forearm.

Key features

- For treating children aged three to five years
- Compatible with passive, body-powered and myoelectric arm prostheses
- The length can be changed by shortening the forearm
- Attractive design
- Weight: 182 g

Technical data

Article number	Upper arm connection Ø	Wrist connection Ø	For hand size
12K12	43.5 mm	34 mm	5, 5 1/2, 6, 6 1/2

- Please note that only the MyoEnergy Integral batteries (article no. 757B35=0 and 757B35=1) can be used with the MovolinoArm Friction.
- Please note that one or two more electrode cables (article no. 13E129=G100) are required.

Information material

647G570=ALL_INT	Instructions for use | 12K12 MovolinoArm Friction

Accessories/spare parts for 12K12

11D12 **Wrist joint lamination ring**

The wrist joint lamination ring is used for the connection with the Electric Hand 2000. It consists of a copper friction ring, O-rings and a protective cover and is suitable for the MovolinoArm Friction elbow component.

Technical data

Article number	Accessory for	User group	Outside Ø	For lamination ring Ø
11D12=34	12K12	children	38 mm	34 mm

13G21 **Lamination ring set**

Lamination ring set for the MovolinoArm Friction (article no. 12K12). The set consists of a lamination ring with lamination dummies and an O-ring.

Technical data

Article number	Spare part for	User group	Outside Ø
13G21	12K12	children	43,5 mm

10A40 **Wood hand adapter**

The wood hand adapter has a plastic threaded stud (article no. M12X1.5) and is used to connect a passive inner hand to a forearm socket or elbow component. The diameter of the hand adapter is 60 mm, and modification to reduce that is possible.

Technical data

Article number	for	User group	Outside Ø	Thread	Overall length
10A40	Passive inner hands	children, youths, adults, mature adults	60 mm	M12	38 mm

- The diameter of the hand adapter is 60 mm, and modification to reduce that is possible.

10V18 **Ottobock wrist joint**

Ottobock wrist joint with interior thread and cylindrical lamination ring. Thread: M12X1.5.

Technical data

Article number	User group	Wrist connection Ø	Overall length	Thread	Weight
10V18=34	children	34 mm	25 mm	M12	35 g
10V18=40	youths	40 mm	29 mm	M12	50 g
10V18=45	adults	45 mm	31 mm	M12	55 g
10V18=50	adults	50 mm	31 mm	M12	65 g

Information material

647G453=ALL_INT	Instructions for use | 10V18,10V36

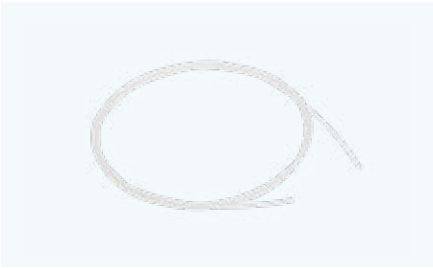
Accessories/spare parts for elbow components

13Z68 **Adapter**

The adapter is used for the assembly of a 12K50 Ottobock elbow component on a Hosmer lamination ring.

Technical data

Article number	for
13Z68	Assembly of an Ottobock elbow component on a Hosmer lamination ring



21A18 **Perlon cable**

The perlon cable is an accessory for the triple-control upper arm harness (article number 21A35=1) and the below-elbow harness (article number 21A36=1).

Technical data

Article number	Diameter	Length	Order unit
21A18=2X1	2 mm	1 m	linear metres
21A18=2X5	2 mm	5 m	linear metres
21A18=2X10	2 mm	10 m	linear metres
21A18=2X25	2 mm	25 m	linear metres

9E185 **Extension cable**

Extension cable to extend the hand cable of the System Electric Hand (article no. 8E39, 8E41 and 8E44) or the System Electric Greifer (article no. 8E34) and connection to the battery receptacle (article no. 757Z185=2 and 757Z191=2).

Technical data

Article number	Length
9E185=30	300 mm
9E185=40	400 mm
9E185=50	500 mm
9E185=50-1	500 mm

14Y3 **IntoLiner Acclimate**

The IntoLiner Acclimate, together with a custom fabricated frame socket, forms the connection between the residual limb and the arm prosthesis. It enhances the comfort of the upper limb prosthesis with its temperature equalising, breathable properties.

Technical data

Article number	Length	Circumference 1	Circumference 2
14Y3=140	290 mm	140 mm	160 mm
14Y3=160	290 mm	160 mm	205 mm
14Y3=180	290 mm	205 mm	200 mm
14Y3=200	290 mm	200 mm	220 mm
14Y3=220	290 mm	220 mm	240 mm

- For correct size selection, measure the circumference 3 cm proximal from the end of the residual limb. Subtract 1 to 2 cm from the measured circumference according to the soft tissue situation.

Information material

647G772=ALL_INT	Instructions for use | 14Y3 IntoLiner Acclimate

14Y5 **Skeo Up**

Robust and featuring a new design, the liner is intended for a residual limb socket up to a length of 100 mm in the area of the upper arm/forearm. Its special outer coating makes it easier to put on and take off. Thanks to the roughened inner contour, it offers a high level of wearing comfort.

Technical data

Article number	Length	Circumference 1	Circumference 2
14Y5=110	209 mm	110 mm	150 mm
14Y5=140	209 mm	140 mm	160 mm
14Y5=160	209 mm	160 mm	205 mm
14Y5=180	209 mm	205 mm	220 mm
14Y5=200	220 mm	200 mm	220 mm
14Y5=220	220 mm		240 mm

- For correct size selection, measure the circumference 3 cm proximal from the end of the residual limb. Subtract 1 to 2 cm from the measured circumference according to the soft tissue situation.

Information material

647G1642=ALL_INT	Instructions for use | 14Y1, 14Y5 Skeo Up

Accessories/spare parts for 14Y3, 14Y5

14A111 **Dummy set**

Dummy set for aligning a prosthesis with the Ottobock silicone ArmLiner. The set consists of one pin dummy with a thread and one without as well as a shape dummy for the lamination ring.

Technical data

Article number
14A111

14A1 **Lock set**

Lock set to secure an Ottobock 14Y5 silicone ArmLiner in the prosthetic socket.

Technical data

Article number	Length
14A1	10.5 mm

14A110 **Lock with release pin**

Lock with release pin serves as a spare part for 14A1.

Technical data

Article number	Spare part for	Length
14A110	14A1	9 mm

640F18 **Donning spray**

The donning spray for Ottobock Skeo liners and prosthetic gloves (silicone, PVC) is needed among other things for putting on and removing the liner or prosthetic glove.

Technical data

Article number	for	Contents
640F18	Prosthetic gloves and liners	90 ml
640F18=900	Prosthetic gloves and liners	900 ml

453H10 **Derma Clean**

Derma Clean is a special cleaning lotion for highly stressed skin. The pH-neutral lotion featuring an antibacterial formula is free of alkali and phosphates. Derma Clean is also suitable for cleaning the prosthesis, orthosis or liner.

Technical data

Article number	Order unit	Packaging	Contents
453H10-N	Bottle	Package of 6	300 ml
453H10=1-N	Bottle	1 piece	300 ml

Information material

646D396=GB	Product information – Derma skin care series

453H14 **Derma Repair**

Derma Repair provides special basic skin care with panthenol and vitamin E to regenerate highly stressed skin. It soothes irritated skin and makes it noticeably more supple and elastic. Using Derma Repair also promotes the skin's blood circulation and cell growth.

Technical data

Article number	Order unit	Packaging	Contents
453H14	Bottle	Package of 6	200 ml
453H14=1	Bottle	1 piece	200 ml

Information material

646D396=GB	Product information – Derma skin care series

453H12 **Derma Prevent**

Derma Prevent provides special protection for highly stressed skin. The lotion prevents chafing, protects the skin and keeps it soft and supple. It also inhibits contact with external allergens and reduces perspiration and odour formation.

Technical data

Article number	Order unit	Packaging	Contents
453H12	Bottle	Package of 6	100 ml
453H12=1	Bottle	1 piece	100 ml

Information material

646D396=GB	Product information – Derma skin care series

14A107 **Pin**

The pin is available in various lengths.

Technical data

Article number	Length
14A107	23 mm
14A107=1	28 mm
14A107=2	33 mm

Information material

647G1279=ALL_INT	Instructions for use (qualified personnel) | 21A47=*
646D1544=EN_MASTER	Product brief | Transhumeral soft harness

21A47 **Transhumeral soft harness**

A transhumeral soft harness for upper arm prostheses with myoelectric or passive elbow joints. The comfortable, padded harness consists of a sling and a sleeve and can be removed completely. Users can put it on and take it off with one hand.

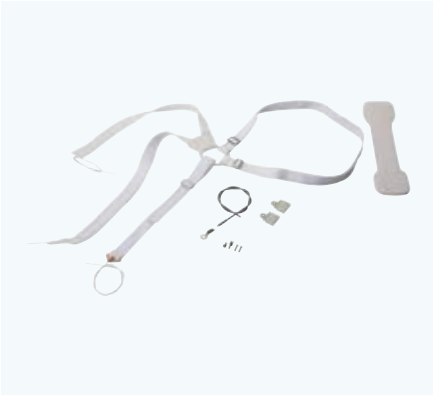
Key features

- Textile harness
- For passive or myoelectric elbows
- Can be put on and taken off with one hand
- Material absorbs perspiration
- Washable
- Soft material in the armpit equalises pressure
- Physiological swing of the arm due to strap routing on the back
- Attractive design
- The user can make small adjustments themselves and can tighten or loosen the harness in certain situations
- Available in three sizes for both the right and left arms

Technical data

Article number	Side	Size	Colour
21A47=L-L-1	left (L)	L	1 Grey
21A47=L-M-1	left (L)	M	1 Grey
21A47=L-S-1	left (L)	S	1 Grey
21A47=R-L-1	right (R)	L	1 Grey
21A47=R-M-1	right (R)	M	1 Grey
21A47=R-S-1	right (R)	S	1 Grey

- The arm strap (article no. 21A48) can also be ordered separately.



Information material

647G1674=ALL_INT	Instructions for use | 21A35, 21A36

21A35 **Triple-control above-elbow harness**

The triple-control above-elbow harness is used to secure the prosthetic socket and control body-powered prostheses. It is compatible with right and left-side prostheses.

Technical data

Article number	Design of cable pull
21A35=1	Perlon cable

Information material

647G1674=ALL_INT	Instructions for use | 21A35, 21A36

21A36 **Below-elbow harness**

The below-elbow harness is intended for fixation of the prosthetic socket and for control of body-powered prostheses. It is compatible with right and left-side prostheses.

Key features

- Serves to secure the prosthetic socket
- Control of body-powered prostheses
- With integrated perlon cable (article no. 21A36=1) or plastic-coated steel cable (article no. 21A36=2).
- Suitable for prostheses on the right and left sides

Technical data

Article number	Design of cable pull
21A36=1	Perlon cable

Accessories/spare parts for 21A35, 21A36

21A37 **Bowden cable**

The Bowden cable is a spare part for the 21A35=1 triple-control above-elbow harness and the 21A36=1 below-elbow harness.

Technical data

Article number	Spare part for	Length	Diameter
21A37=1	21A35=1 21A36=1	500 mm	4 mm

10Y32 **Coupler**

Together with the 10Y31=* ball-shaft adapter, the coupler forms a connecting element.

Technical data

Article number	for	Width	Length	Weight
10Y32=1	21A18=2 Perlon cable	6,5 mm	20 mm	1,6 g
10Y32=2	651D4=2 Steel cable	6,5 mm	20 mm	1,6 g

10Y31 **Ball-shaft adapter**

Together with the 10Y32=* coupler, the ball-shaft adapter forms a connecting element.

Technical data

Article number	for	Width	Length	Weight
10Y31=1	21A18=2 Perlon cable	5 mm	14.5 mm	1 g
10Y31=2	651D4=2 Steel cable	5 mm	14.5 mm	1 g
10Y31=7	3/64“ steel cable	5 mm	14.5 mm	1 g
10Y31=8	1/16“ steel cable	5 mm	14.5 mm	1 g
10Y31=9	3/32“ steel cable	5 mm	14.5 mm	1 g

21Y194 **Ring**

The harness ring has an integrated cable guide.

Technical data

Article number	Spare part for	Outside Ø
21Y194	21A35=1 21A36=1	71 mm

21Y195 **Stainless steel buckle**

Stainless steel buckle for positioning and fixing the harness strap.

Technical data

Article number	Spare part for	Width	Length
21Y195=25	21A35=1 21A36=1	18 mm	31 mm

21A29 **Axillary protector for body harnesses**

Optional silicone axillary protector for 21A35 and 21A36 body harnesses for increased comfort.

Technical data

Article number	Width
21A29=18	18 mm
21A29=25	25 mm

21A38 **Axilla pad set**

Axilla pad set made of white foam.

Technical data

Article number	Spare part for	Weight	Contents	Material	Colour
21A38	21A35=1 21A36=1	30 g	5 Piece(s)	Foam	6 White

21Y199 **Strap buckle**

Strap buckle for a seamless connection between the 623G23 elastic harness strap and the prosthetic socket. Consisting of sleeve, lower part, upper part and spacer sleeve.

Technical data

Article number	Spare part for	Width	Length
21Y199	21A35=1 21A36=1	29 mm	38.5 mm

21Y203 **Spacer sleeve**

The spacer sleeve is a spare part for the 21Y199 strap buckle.

Technical data

Article number	Spare part for	Outside Ø
21Y203	21A35=1 21A36=1	8 mm

623G23 **Elastic harness strap**

Elastic harness strap in white with tunnel-shaped cable guide.

Technical data

Article number	Width	Length	Order unit
623G23	25 mm	Roll of 100 m	linear metres

623H23 **Harness strap**

The white harness strap is an option for the upper arm, forearm and body harnesses.

Technical data

Article number	Width	Length	Order unit
623H23	25 mm	Roll of 100	linear metres
623H23=60	25 mm	60 cm	linear metres
623H23=160	25 mm	160 cm	linear metres

21A18 **Perlon cable**

The perlon cable is an accessory for the triple-control upper arm harness (article number 21A35=1) and the below-elbow harness (article number 21A36=1).

Technical data

Article number	Diameter	Length	Order unit
21A18=2X1	2 mm	1 m	linear metres
21A18=2X5	2 mm	5 m	linear metres
21A18=2X10	2 mm	10 m	linear metres
21A18=2X25	2 mm	25 m	linear metres

29C5 **Setting nut**

Setting nut (knurled), stainless steel.

Technical data

Article number	Spare part for	Thread	Head Ø	Length	Shoulder Ø
29C5=M4X9	21A35=1 21A36=1	M4	9 mm	3.6 mm	5.5 mm

501S28 **Flat head screw**

The nickel-plated countersunk head screw is used for the 16H1 and 16H2.

Technical data

Article number	Thread length	Thread	Quantity unit
501S28=M3.5X5	5	M3.5	Piece

21A5 **Eyelet cable anchor, large**

The bracket is an option for prostheses with a body harness.

Technical data

Article number	Contents	Width	Length	Clear width	Weight
21A5	1 Piece(s)	15 mm	35 mm	5 mm	4 g

21A16 **“D” ring**

The guide ring is used for the flexion cable.

Technical data

Article number	Clear width
21A16	13 mm

507S15 **Lamination disk, serrated**

The serrated lamination disc is an accessory for the 743A18 alignment tool.

Technical data

Article number	Accessory for	Outside Ø	Borehole Ø	Thickness
507S15	743A18	13.8 mm	3 mm	1.5 mm

516S3 **Pad screw head**

The threaded support fastener is made of nickel-plated steel and is used to attach straps and harnesses.

Technical data

Article number	Thread	Thread length	Head Ø	Head height	Base Ø
516S3	M4	5.5 mm	6 mm	6.5 mm	8 mm

514Z3 **Loop**

The strap is an accessory for the upper arm and below-elbow harness.

Technical data

Article number	Clear width
514Z3=25	25 mm

504H3 **Hollow rivet**

Hollow rivet with open lower part. The head diameter is available in 7 mm, 11 mm and 13 mm.

Technical data

Article number	Head Ø	Minimum order quantity
504H3=7-100	7 mm	100 piece(s)
504H3=11-100	11 mm	100 piece(s)
504H3=13-100	13 mm	100 piece(s)
504H3=7-1000	7 mm	1,000 piece(s)
504H3=11-1000	11 mm	1,000 piece(s)
504H3=13-1000	13 mm	1,000 piece(s)

10Y19 **Screw coupling**

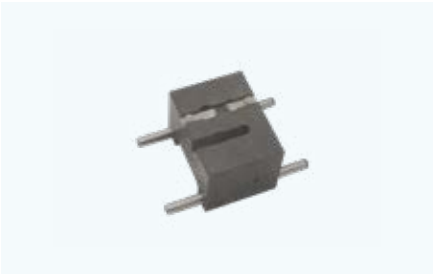
The coupler connects the steel cable and perlon cable, spectra cable or two perlon cables. It consists of a coupling sleeve and coupling screw, which is screwed onto the perlon cable or through which a spectra cable is threaded and knotted.

Key features

- Serves as a connection piece between a steel cable and perlon cable or spectra cable
- Consists of the coupling sleeve and coupling screw

Technical data

Article number	Width	Length	Weight
10Y19=2	6 mm	16 mm	2.1 g



736Y6 **Crimping tool**

Crimping tool for crimping the coupling screw and clamp sleeve as well as the 10Y31=2 ball shaft adapter and the 10Y32=2 coupler onto the 651D4=2 steel cable.

Technical data

Article number	Height	Length of work surface	Width	Length	Weight
736Y6	26.5 mm	60 mm	40 mm	30 mm	196 g

Information material

647H13	Instructions for use (user/technician) | 736Y6

503F3 **Socket screw with Allen head**

Socket screw with Allen head.

Technical data

Article number	Thread	Thread length	Head Ø	Minimum order quantity
503F3=M4X8-20	M4	7 mm	8 mm	20 piece(s)
503F3=M4X8-100	M4	7 mm	8 mm	100 piece(s)

Passive

Clever connection

Tube skeleton designs with foam covers are characteristic of modular constructions in upper limb prosthetics. This design is primarily suitable for treatment with passive arm prostheses for proximal amputation levels. Corresponding modular arm components are available for transhumeral amputations at various residual limb lengths; they are connected to the prosthetic socket by a lamination ring and then concealed by a foam cover.

On the following pages you will find

- Overview of passive mechanical arm components
- Passive system hands: Terminal device
- Passive system hands: Prosthetic gloves
- Passive system hands: Adapters
- Physiolino babyhand
- Passive prosthetic hands for children
- Passive prosthetic hands for women
- Passive prosthetic hands for men
- Arm components and accessories
- Shoulder joints and accessories
- Liners and accessories
- Above-elbow and below-elbow harnesses and accessories

Passive.
Overview of passive mechanical arm components.

Terminal device	**Inner hand for women** 8S8 **Inner hand for children** 8S9	**Prosthetic glove for men** 10A12 **Prosthetic glove for women** 8S5 **Cosmetic glove for children** 8S6	**Ottobock system hand -passive-** 8K18 / 8K19	**Prosthetic glove** 8S4 / 8S4N 8S5 / 8S4N 8S6 / 8S6N 8S11 / 8S11N
Wrist joint	**Adapter** 10R2	**Adapter with flexion** 10R3	**Adapter** 10R1	**Knurled plate** 10R4
Elbow	**Modular Arm Component** 12R2 **Adapter** 13R6	**Modular Arm Component** 12R4 **Adapter** 13R7	**Pre-shaped foam block** 15K3 **Mounting flange** 13R8	
Shoulder	**Ottobock ball shoulder joint** 12S7	**Ottobock shoulder joint** 12S4	**MovoShoulder swing** 12S6	
Liner	**Skeo Up** 14Y5	**IntoLiner** 14Y3		
Cable-activated harness	**Triple-control above-elbow harness** 21A35	**Below-elbow harness** 21A36		

8K18 **Ottobock system hand -passive-**

The passive system hand is suitable for all amputation levels with passive prostheses. It is opened with the sound hand and closes independently. The system is lightweight and stable.

Key features

- Passive system hand
- With threaded stud and system inner hand (article no. 8X14)
- Opened with the sound hand
- Closes automatically

Technical data

Article number	User group	Side	Size	Inner hand	Weight
8K18=L6 3/4	children	left (L)	6 3/4	8X14=L6 3/4	185 g
8K18=L7 1/4	youths, women	left (L)	7 1/4	8X14=L7 1/4	250 g
8K18=L7 3/4	men	left (L)	7 3/4	8X14=L7 3/4	280 g
8K18=L8	men	left (L)	8	8X14=L8	290 g
8K18=R6 3/4	children	right (R)	6 3/4	8X14=R6 3/4	185 g
8K18=R7 1/4	youths, women	right (R)	7 1/4	8X14=R7 1/4	250 g
8K18=R7 3/4	men	right (R)	7 3/4	8X14=R7 3/4	280 g
8K18=R8	men	right (R)	8	8X14=R8	290 g

- The prosthetic glove must be ordered separately.

Information material

647G444=ALL_INT	Instructions for use | 8K18, 8K19
646D1406=EN_MASTER	Portfolio brochure – upper limb

8K19 **Ottobock system hand -passive-**

The passive system hand is suitable for all amputation levels with passive prostheses. It is opened with the sound hand and closes independently. The system is lightweight and stable.

Key features

- Passive system hand
- With threaded stud and system inner hand
- Closes automatically
- Opened with the sound hand

Technical data

Article number	User group	Side	Size	Inner hand	Weight
8K19=L6 3/4	children	left (L)	6 3/4	8X14=L6 3/4	185 g
8K19=L7 1/4	youths, women	left (L)	7 1/4	8X14=L7 1/4	250 g
8K19=L7 3/4	men	left (L)	7 3/4	8X14=L7 3/4	280 g
8K19=L8	men	left (L)	8	8X14=L8	290 g
8K19=R6 3/4	children	right (R)	6 3/4	8X14=R6 3/4	185 g
8K19=R7 1/4	youths, women	right (R)	7 1/4	8X14=R7 1/4	250 g
8K19=R7 3/4	men	right (R)	7 3/4	8X14=R7 3/4	280 g
8K19=R8	men	right (R)	8	8X14=R8	290 g

- The prosthetic glove must be ordered separately.

Information material

647G444=ALL_INT	Instructions for use | 8K18, 8K19
646D1406=EN_MASTER	Portfolio brochure – upper limb

Accessories/spare parts for 8K18, 8K19

9E94 **Lamination ring**

Lamination ring available for hand sizes 6 3/4, 7 1/4, 7 3/4 and 8.

Technical data

Article number	Diameter	For hand size
9E94=44	44 mm	6 3/4
9E94=50	50 mm	7 1/4 - 8

9S96 **Chassis**

Chassis for overlong forearm and wrist disarticulation residual limbs. Compatible with the 9E94 lamination ring.

Technical data

Article number	Diameter	For hand size
9S96=40	40 mm	6 3/4

9S184 **Chassis**

Chassis for overlong forearm and wrist disarticulation residual limbs. Compatible with the 9E94 lamination ring.

Technical data

Article number	Diameter	For hand size
9S184=44-N	44 mm	7 1/4
9S184=48-N	48 mm	7 3/4 - 8

506G4 **Grub screw**

Set screw for chassis. Four set screws are required per chassis.

Technical data

Article number
506G4=M4X5
506G4=M3X5

8X14 **System inner hand**

System inner hand with support for little finger and ring finger as well as retainer ring (article no. 9S187).

Technical data

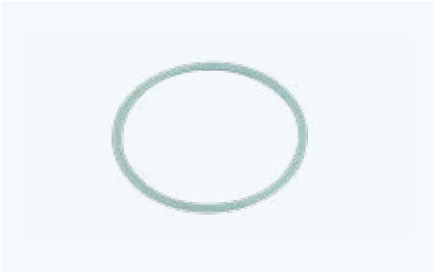
Article number	Side	For hand size
8X14=L6 3/4	left (L)	6 3/4
8X14=L7 1/4	left (L)	7 1/4
8X14=L7 3/4	left (L)	7 3/4
8X14=L8	left (L)	8
8X14=R6 3/4	right (R)	6 3/4
8X14=R7 1/4	right (R)	7 1/4
8X14=R7 3/4	right (R)	7 3/4
8X14=R8	right (R)	8

9S187 **Retainer ring, wide**

Wide lock ring. Compatible with the system inner hand (article number 8X14 and 8X18) and in hand sizes 7 ¼, 7 ¾ and 8.

Technical data

Article number	For hand size
9S187=7 1/4	7 1/4
9S187=7 3/4	7 3/4, 8
9S187=8 1/4	8 1/4



9S15 **Retainer ring, narrow**

Retainer ring to secure the system inner hand (article no. 8X14).

Technical data

Article number	Diameter
9S15=46	46 mm
9S15=48	48 mm
9S15=49	49 mm

9S6 **Finger and thumb tip**

Finger and thumb cover compatible with hand sizes 6 3/4, 7 1/4, 7 3/4 and 8.

Technical data

Article number	For hand size
9S6	6 3/4, 7 1/4, 7 3/4 und 8

9S67 **Chassis**

The 9S67 chassis is equipped with the M12X1.5 threaded stud.

Technical data

Article number	Side	For hand size	Diameter	for
9S67=L40	left	6 3/4	40 mm	8K18=L6 3/4
9S67=L44-N	left	7 1/4	44 mm	8K18=L7 1/4
9S67=L48-N	left	7 3/4 - 8	48 mm	8K18=L7 ¾ and 8K18=L8
9S67=R40	right	6 3/4	40 mm	8K18=R6 3/4
9S67=R44-N	right	7 1/4	44 mm	8K18=R7 1/4
9S67=R48-N	right	7 3/4 - 8	48 mm	8K18=R7 3/4 und 8K18=R8

9S65 **Chassis**

The 9S67 chassis is equipped with the ½“-20 threaded stud.

Technical data

Article number	Side	For hand size	Diameter	for
9S65=L40	left	6 3/4	40 mm	8K19=* Ottobock passive system hand
9S65=L44-N	left	7 1/4	44 mm	8K19=* Ottobock passive system hand
9S65=L48-N	left	7 3/4 - 8	48 mm	8K19=* Ottobock passive system hand
9S65=R40	right	6 3/4	40 mm	8K19=* Ottobock passive system hand
9S65=R44-N	right	7 1/4	44 mm	8K19=* Ottobock passive system hand
9S65=R48-N	right	7 3/4 - 8	48 mm	8K19=* Ottobock passive system hand

501T52 **Flange button head socket screw**

The flange button head screw is used to bolt the chassis to the base plate of the system hand (all sizes). Two pieces are required.

Technical data

Article number	Length	Thread	Quantity unit
501T52=M3X6	6	M3	Pair
501T52=M3X8	8	M3	Pair

8S6 **Prosthetic glove for children**

The prosthetic glove for children features a natural appearance, durability and flexibility.

Technical data

Article number	Side	For hand size	Sleeve length
8S6=170X65L	left (L)	6 3/4	300 mm
8S6=170X65R	right (R)	6 3/4	300 mm

- Available in 18 different shades. When ordering, please add the colour sample set according to the 646M3 colour swatches to the end of the article number.

Information material

647G468=ALL_INT	Instructions for use (qualified personnel) | 8S4=*, 8S5=*, 8S6=*, 8S11=*, 8S12=*, 8S13=*, 8S20=*

8S6N **Skin Natural prosthetic glove for children**

The Skin Natural prosthetic glove for children features a natural appearance, durability and flexibility.

Technical data

Article number	Side	For hand size	Sleeve length
8S6N=170X65L	left (L)	6 3/4	300 mm
8S6N=170X65R	right (R)	6 3/4	300 mm

- The entire Skin Natural colour palette is produced with seven colours. The colour sample set (article no. 646M47) helps with determining the right colour.

Information material

647G571=ALL_INT	Instructions for use (qualified personnel) | 8S4N=*, 8S5N=*, 8S6N=*, 8S11N=*, 8S12N=*, 8S13N=*, 8S20N=*
647H895=ALL_INT	Instructions for use (patient) | 8S4N=*, 8S5N=*, 8S6N=*, 8S11N=*, 8S12N=*, 8S13N=*, 8S20N=*

8S4 **Prosthetic glove for adolescents**

The prosthetic glove for men features a natural appearance, durability and flexibility.

Technical data

Article number	Side	For hand size	Sleeve length
8S4=190X76L	left (L)	7 1/4	215 mm
8S4=190X76R	right (R)	7 1/4	215 mm

- The entire SkinNatural colour palette is produced with seven colours. The new 646M47 colour scale helps to select the right sample.
- Available in 18 different shades. When ordering, please add the colour sample set according to the 646M3 colour swatches to the end of the article number.

Information material

647G468=ALL_INT	Instructions for use (qualified personnel) | 8S4=*, 8S5=*, 8S6=*, 8S11=*, 8S12=*, 8S13=*, 8S20=*
647H1258=ALL_INT	Instructions for use (user) | 8S4, 8S5, 8S6, 8S11, 8S12, 8S13, 8S20

8S4N **Skin Natural prosthetic glove for adolescents**

The Skin Natural prosthetic glove for men features a highly natural appearance and improved cleaning characteristics in particular.

Technical data

Article number	Side	For hand size	Sleeve length
8S4N=190X76L	left (L)	7 1/4	215 mm
8S4N=190X76R	right (R)	7 1/4	215 mm

- The entire Skin Natural colour palette is produced with seven colours. The colour sample set (article no. 646M47) helps with determining the right colour.

Information material

647H895=ALL_INT	Instructions for use (patient) | 8S4N=*, 8S5N=*, 8S6N=*, 8S11N=*, 8S12N=*, 8S13N=*, 8S20N=*
647G571=ALL_INT	Instructions for use (qualified personnel) | 8S4N=*, 8S5N=*, 8S6N=*, 8S11N=*, 8S12N=*, 8S13N=*, 8S20N=*

8S5 **Prosthetic glove for women**

The prosthetic glove for women features a natural appearance, durability and flexibility.

Technical data

Article number	Side	For hand size	Sleeve length
8S5=195X78L	left (L)	7 1/4	340 mm
8S5=195X78R	right (R)	7 1/4	340 mm

- The entire SkinNatural colour palette is produced with seven colours. The new 646M47 colour scale helps to select the right sample.
- Available in 18 different shades. When ordering, please add the colour sample set according to the 646M3 colour swatches to the end of the article number.

Information material

647G468=ALL_INT	Instructions for use (qualified personnel) | 8S4=*, 8S5=*, 8S6=*, 8S11=*, 8S12=*, 8S13=*, 8S20=*
647H1258=ALL_INT	Instructions for use (user) | 8S4, 8S5, 8S6, 8S11, 8S12, 8S13, 8S20

8S5N **Skin Natural prosthetic glove for women**

The Skin Natural prosthetic glove for women features a natural appearance, durability and flexibility.

Technical data

Article number	Side	For hand size	Sleeve length
8S5N=195X78L	left (L)	7 1/4	340 mm
8S5N=195X78R	right (R)	7 1/4	340 mm

- The entire Skin Natural colour palette is produced with seven colours. The colour sample set (article no. 646M47) helps with determining the right colour.

Information material

647G571=ALL_INT	Instructions for use (qualified personnel) | 8S4N=*, 8S5N=*, 8S6N=*, 8S11N=*, 8S12N=*, 8S13N=*, 8S20N=*
647H895=ALL_INT	Instructions for use (patient) | 8S4N=*, 8S5N=*, 8S6N=*, 8S11N=*, 8S12N=*, 8S13N=*, 8S20N=*

8S4 **Prosthetic glove for men**

The prosthetic glove for men features a natural appearance, durability and flexibility.

Technical data

Article number	Side	For hand size	Sleeve length
8S4=220X80L	left (L)	8	225 mm
8S4=220X80R	right (R)	8	225 mm

- The entire SkinNatural colour palette is produced with seven colours. The new 646M47 colour scale helps to select the right sample.
- Available in 18 different shades. When ordering, please add the colour sample set according to the 646M3 colour swatches to the end of the article number.

Information material

647G468=ALL_INT	Instructions for use (qualified personnel) | 8S4=*, 8S5=*, 8S6=*, 8S11=*, 8S12=*, 8S13=*, 8S20=*
647H1258=ALL_INT	Instructions for use (user) | 8S4, 8S5, 8S6, 8S11, 8S12, 8S13, 8S20

8S4N **Skin Natural prosthetic glove for men**

The Skin Natural prosthetic glove for men features a highly natural appearance and improved cleaning characteristics in particular.

Technical data

Article number	Side	For hand size	Sleeve length
8S4N=220X80L	left (L)	8	225 mm
8S4N=220X80R	right (R)	8	225 mm

- The entire Skin Natural colour palette is produced with seven colours. The colour sample set (article no. 646M47) helps with determining the right colour.

Information material

647G571=ALL_INT	Instructions for use (qualified personnel) | 8S4N=*, 8S5N=*, 8S6N=*, 8S11N=*, 8S12N=*, 8S13N=*, 8S20N=*
647H895=ALL_INT	Instructions for use (patient) | 8S4N=*, 8S5N=*, 8S6N=*, 8S11N=*, 8S12N=*, 8S13N=*, 8S20N=*

10R1 **Adapter**

Adapter with M12X1.5 threaded stud to connect a passive inner hand to modular arm components.

Technical data

Article number	for	Length	Connection Ø	Threaded stud	Weight
10R1	Connecting a passive inner hand to modular arm components	43 mm	20 mm	M12x1.5	25 g

Information material

647G454=ALL_INT	Instructions for use | 10R1, 10R2, 10R3, 10R4

10R2 **Adapter**

Adapter with interior thread for connecting a hook or system hand to modular arm components.
Adapter to connect modular arm components to the 12S7 ball shoulder joint with M12X1.5 interior thread.

Technical data

Article number	Connection Ø	Interior thread
10R2=M12X1.5	20 mm	M12X1.5
10R2=1/2“-20	20 mm	1/2“-20

Information material

647G454=ALL_INT	Instructions for use | 10R1, 10R2, 10R3, 10R4

10R3 **Adapter with flexion**

Flexion adapter with interior thread for connecting a hook or system hand to modular arm components.

Technical data

Article number	Connection Ø	Interior thread
10R3=1/2“-20	20 mm	1/2“-20
10R3=M12X1.5	20 mm	M12X1.5

Information material

647G454=ALL_INT	Instructions for use | 10R1, 10R2, 10R3, 10R4

10R4 **Knurled plate**

Knurled plate with threaded stud (both sides) to connect a passive inner hand to the 10R2 and 10R3 adapters.

Technical data

Article number	Threaded stud	for
10R4=M12X1.5	M12x1.5	Connecting a passive inner hand to the modular adapters with article number 10R2 and 10R3
10R4=1/2“-20	1/2“-20	Connecting a passive inner hand to the modular adapters with article number 10R2 and 10R3

Information material

647G454=ALL_INT	Instructions for use | 10R1, 10R2, 10R3, 10R4

13R11 **Modular adapter for ArmLiners**

The adapter is used to connect the 14Y1 and 14Y5 Ottobock ArmLiner to the 14A1 lock set and the Ottobock modular components.

Technical data

Article number	Outside Ø	Length	Side	for
13R11	44 mm	33 mm	both sides	Connecting Ottobock ArmLiner with modular components

Information material

647G164=ALL_INT	Instructions for use | 13R11

Information material

647G360=ALL_INT	Instructions for use | 8K5=*

8K5 **Physolino babyhand**

Physolino baby hand for babies and toddlers. The hand is made of medical-grade silicone.

Technical data

Article number	Side	Colour
8K5=1L1	left	Skin colour 1
8K5=1R1	right	Skin colour 1
8K5=1L4	left	Skin colour 4
8K5=1R4	right	Skin colour 4
8K5=1L11	left	Skin colour 11
8K5=1R11	right	Skin colour 11
8K5=1L16	left	Skin colour 16
8K5=1R16	right	Skin colour 16

- The colour roughly corresponds to the colour 1, 4 11 or 16 of the Ottobock colour scale for prosthetic gloves.
- Suitable for a hand circumference of approx. 110 mm and a finger length of approx. 40 mm.

Accessories/spare parts for 8K5

11D31 **Lamination ring for Physolino baby hand**

Lamination ring for the Physolino baby hand with a diameter of 24 mm. Suitable for socket replacements.

Technical data

Article number	User group	Outside Ø	For lamination ring Ø	for
11D31	infants, children	27 mm	24 mm	socket replacements

10A40 **Wood hand adapter**

The wood hand adapter has a plastic threaded stud (article no. M12X1.5) and is used to connect a passive inner hand to a forearm socket or elbow component. The diameter of the hand adapter is 60 mm, and modification to reduce that is possible.

Technical data

Article number	for	User group	Outside Ø	Thread	Overall length
10A40	Passive inner hands	children, youths, adults, mature adults	60 mm	M12	38 mm

- The diameter of the hand adapter is 60 mm, and modification to reduce that is possible.

743Y42 **Lamination dummy**

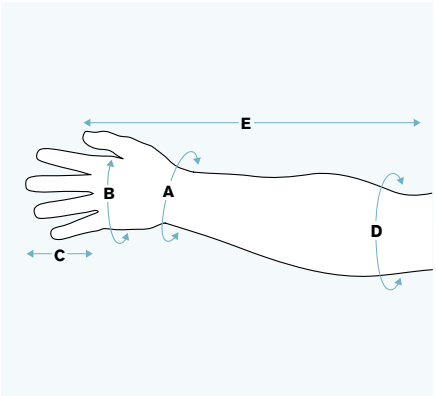
The lamination dummy can be used with the alignment rod of the 743A18 Alignment tool. Compatible with the Physolino baby hand.

Technical data

Article number	for	User group	Diame-ter	Mate-rial	Side
743Y42=24	743A18 Alignment tool 8k5=* Physolino baby hand	children	24 mm	Plastic	univer-sal

Information material

647G468=ALL_INT	Instructions for use (qualified personnel) | 8S4=*, 8S5=*, 8S6=*, 8S11=*, 8S12=*, 8S13=*, 8S20=*



A	Wrist circumference
B	Metacarpal circumference
C	Middle finger length
D	Sleeve circumference
E	Length to elbow (not applicable for short cuff)

8S6 **Prosthetic glove for children**

The prosthetic glove for children features a natural appearance, durability and flexibility.

Key features

- The shape and colour of the prosthetic glove for children are adapted especially to the needs of young users
- PVC ensures the required resistance
- Available in eight different sizes and 18 near-natural colours
- Can be combined with the appropriate foam-moulded Ottobock standard inner hand

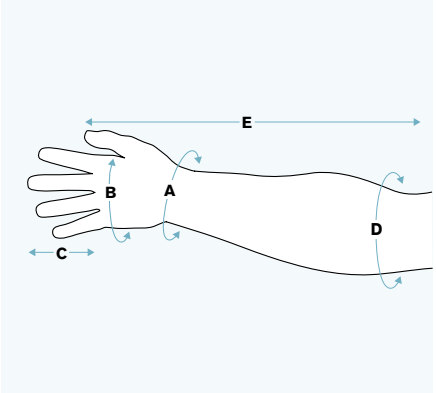
Technical data

Article number	Inner hand	Control number	Wrist circumference	Length to elbow (E)	Middle finger length (C)	Metacarpal circumference	Sleeve circumference	Side
8S6=115X38L	8S9=115X38L	40	107 mm	147 mm	38 mm	117 mm	145 mm	left (L)
8S6=115X37R	8S9=115X37R	40	107 mm	165 mm	35 mm	115 mm	144 mm	right (R)
8S6=130X51L	8S9=130X51L	41	112 mm	205 mm	40 mm	120 mm	150 mm	left (L)
8S6=134X52R	8S9=134X52R	41	110 mm	263 mm	40 mm	125 mm	155 mm	right (R)
8S6=142X50L	8S9=142X50L	42	110 mm	220 mm	50 mm	130 mm	148 mm	left (L)
8S6=139X51R	8S9=139X51R	42	110 mm	225 mm	41 mm	130 mm	158 mm	right (R)
8S6=151X58L	8S9=151X58L	44	120 mm	220 mm	50 mm	135 mm	166 mm	left (L)
8S6=151X59R	8S9=151X59R	44	126 mm	230 mm	50 mm	137 mm	168 mm	right (R)
8S6=158X54L	8S9=158X54L	86	130 mm	341 mm	52 mm	160 mm	190 mm	left (L)
8S6=159X53R	8S9=159X53R	86	130 mm	250 mm	57 mm	160 mm	185 mm	right (R)
8S6=165X68L	8S9=165X68L	48	135 mm	280 mm	63 mm	160 mm	181 mm	left (L)
8S6=158X68R	8S9=158X68R	48	135 mm	280 mm	59 mm	150 mm	185 mm	right (R)
8S6=168X70L	8S9=168X70L	47	137 mm	376 mm	59 mm	150 mm	180 mm	left (L)
8S6=166X70R	8S9=166X70R	47	140 mm	300 mm	65 mm	160 mm	176 mm	right (R)
8S6=170X65L	8S9=170X65L	43	146 mm	291 mm	54 mm	170 mm	188 mm	left (L)
8S6=170X65R	8S9=170X65R	43	145 mm	290 mm	55 mm	155 mm	182 mm	right (R)

- Available in 18 different shades. When ordering, please add the colour code according to the 646M3 colour sample set to the end of the article number.
- When ordering, please add the colour code according to the colour sample set (article no. 646M3) to the article number.
- In addition to the standard prosthetic glove, Ottobock also offers additional models of the Skin Natural series. The multilayer structure of the gloves gives them a depth effect so that they have a very vivid appearance. Please add an N before the = in the article number.

Information material

647G468=ALL_INT	Instructions for use (qualified personnel) | 8S4=*, 8S5=*, 8S6=*, 8S11=*, 8S12=*, 8S13=*, 8S20=*
647H1258=ALL_INT	Instructions for use (user) | 8S4, 8S5, 8S6, 8S11, 8S12, 8S13, 8S20



A	Wrist circumference
B	Metacarpal circumference
C	Middle finger length
D	Sleeve circumference
E	Length to elbow (not applicable for short cuff)

8S5 **Prosthetic glove for women**

The prosthetic glove for women features a natural appearance, durability and flexibility.

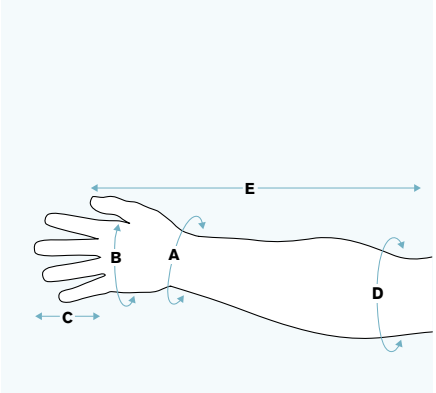
Technical data

Article number	Inner hand	Control number	Wrist circumference	Length to elbow (E)	Middle finger length (C)	Metacarpal circumference	Sleeve circumference	Side
8S5=165X72L	8S8=165X72L	34	138 mm	315 mm	65 mm	159 mm	200 mm	left (L)
8S5=167X72R	8S8=167X72R	34	131 mm	330 mm	63 mm	163 mm	199 mm	right (R)
8S5=174X74L	8S8=174X74L	32	137 mm	315 mm	63 mm	157 mm	190 mm	left (L)
8S5=175X76R	8S8=175X76R	32	135 mm	315 mm	61 mm	163 mm	182 mm	right (R)
8S5=180X80L	8S8=180X80L	29	150 mm	395 mm	67 mm	164 mm	219 mm	left (L)
8S5=176X80R	8S8=176X80R	29	152 mm	365 mm	69 mm	170 mm	217 mm	right (R)
8S5=182X84L	8S8=182X84L	28	143 mm	345 mm	67 mm	167 mm	220 mm	left (L)
8S5=190X84R	8S8=190X84R	28	149 mm	345 mm	68 mm	186 mm	218 mm	right (R)
8S5=184X75L	8S8=184X75L	36	131 mm	355 mm	64 mm	164 mm	222 mm	left (L)
8S5=187X74R	8S8=187X74R	36	143 mm	325 mm	65 mm	183 mm	226 mm	right (R)
8S5=184X78L	8S8=184X78L	37	154 mm	300 mm	66 mm	172 mm	223 mm	left (L)
8S5=184X78R	8S8=184X78R	37	153 mm	310 mm	69 mm	180 mm	223 mm	right (R)
8S5=185X75L	8S8=185X75L	23	144 mm	313 mm	65 mm	173 mm	202 mm	left (L)
8S5=181X75R	8S8=181X75R	23	147 mm	310 mm	65 mm	171 mm	206 mm	right (R)
8S5=188X79L	8S8=188X79L	70	156 mm	345 mm	74 mm	183 mm	226 mm	left (L)
8S5=187X79R	8S8=187X79R	70	159 mm	355 mm	74 mm	182 mm	235 mm	right (R)
8S5=190X77L	8S8=190X77L	20	138 mm	335 mm	66 mm	175 mm	213 mm	left (L)
8S5=190X77R	8S8=190X77R	20	144 mm	330 mm	65 mm	183 mm	211 mm	right (R)
8S5=190X93L	8S8=190X93L	30	152 mm	375 mm	80 mm	176 mm	220 mm	left (L)
8S5=186X92R	8S8=186X92R	30	154 mm	380 mm	81 mm	184 mm	214 mm	right (R)
8S5=192X78L	8S8=192X78L	24	150 mm	340 mm	68 mm	179 mm	230 mm	left (L)
8S5=191X78R	8S8=191X78R	24	148 mm	335 mm	69 mm	186 mm	231 mm	right (R)
8S5=194X82L	8S8=194X82L	27	159 mm	345 mm	65 mm	165 mm	212 mm	left (L)
8S5=189X84R	8S8=189X84R	27	152 mm	365 mm	69 mm	178 mm	210 mm	right (R)
8S5=195X78L	8S8=195X78L	38	153 mm	345 mm	65 mm	187 mm	217 mm	left (L)
8S5=195X78R	8S8=195X78R	38	150 mm	335 mm	66 mm	187 mm	212 mm	right (R)
8S5=195X79L	8S8=195X79L	25	151 mm	315 mm	66 mm	181 mm	230 mm	left (L)
8S5=200X79R	8S8=200X79R	25	151 mm	315 mm	66 mm	181 mm	230 mm	left (L)
8S5=208X89L	8S8=208X89L	19	165 mm	385 mm	75 mm	193 mm	234 mm	left (L)
8S5=210X89R	8S8=210X89R	19	171 mm	380 mm	75 mm	199 mm	238 mm	right (R)

- The entire SkinNatural colour palette is produced with seven colours. The new 646M47 colour scale helps to select the right sample.
- Available in 18 different shades.
- When ordering, please add the colour code according to the colour sample set (article no. 646M3) to the article number.
- In addition to the standard prosthetic glove, Ottobock also offers additional models of the Skin Natural series. The multilayer structure of the gloves gives them a depth effect so that they have a very vivid appearance. Please add an N before the = in the article number.

Information material

647G468=ALL_INT	Instructions for use (qualified personnel) | 8S4=*, 8S5=*, 8S6=*, 8S11=*, 8S12=*, 8S13=*, 8S20=*
647H1258=ALL_INT	Instructions for use (user) | 8S4, 8S5, 8S6, 8S11, 8S12, 8S13, 8S20



A	Wrist circumference
B	Metacarpal circumference
C	Middle finger length
D	Sleeve circumference
E	Length to elbow (not applicable for short cuff)

8S4 **Prosthetic glove for men and adolescents**

The prosthetic glove for men features a natural appearance, durability and flexibility.

Technical data

Article number	Inner hand	Control number	Wrist circumference	Length to elbow (E)	Middle finger length (C)	Metacarpal circumference	Sleeve circumference	Side
8S4=202X74L	8S7=202X74L	58	155 mm	480 mm	70 mm	202 mm	226 mm	left (L)
8S4=206X76R	8S7=206X76R	58	156 mm	468 mm	70 mm	190 mm	220 mm	left (L)
8S4=203X83L	8S7=203X83L	16	166 mm	350 mm	71 mm	190 mm	233 mm	left (L)
8S4=199X82R	8S7=199X82R	16	155 mm	340 mm	70 mm	185 mm	230 mm	right (R)
8S4=203X85L	8S7=203X85L	15	162 mm	481 mm	73 mm	200 mm	230 mm	left (L)
8S4=206X85R	8S7=206X85R	15	184 mm	483 mm	75 mm	190 mm	250 mm	right (R)
8S4=205X81L	8S7=205X81L	5	165 mm	190 mm	70 mm	205 mm	224 mm	left (L)
8S4=205X81R	8S7=205X81R	5	170 mm	380 mm	65 mm	180 mm	220 mm	right (R)
8S4=206X80L	8S7=206X80L	60	184 mm	380 mm	71 mm	206 mm	250 mm	left (L)
8S4=205X80R	8S7=205X80R	60	175 mm	474 mm	73 mm	190 mm	225 mm	right (R)
8S4=206X87L	8S7=206X87L	13	160 mm	360 mm	78 mm	190 mm	220 mm	left (L)
8S4=215X88R	8S7=215X88R	13	166 mm	468 mm	75 mm	215 mm	240 mm	right (R)
8S4=207X86L	8S7=207X86L	57	166 mm	360 mm	76 mm	207 mm	227 mm	left (L)
8S4=209X86R	8S7=209X86R	57	155 mm	380 mm	76 mm	209 mm	231 mm	right (R)
8S4=208X85L	8S7=208X85L	12	176 mm	475 mm	70 mm	208 mm	236 mm	left (L)
8S4=212X83R	8S7=212X83R	12	165 mm	475 mm	73 mm	212 mm	240 mm	right (R)
8S4=211X88L	8S7=211X88L	59	170 mm	460 mm	75 mm	211 mm	243 mm	left (L)
8S4=212X86R	8S7=212X86R	59	165 mm	463 mm	80 mm	212 mm	240 mm	right (R)
8S4=212X93L	8S7=212X93L	56	175 mm	410 mm	78 mm	212 mm	245 mm	left (L)
8S4=215X93R	8S7=215X93R	56	175 mm	502 mm	76 mm	215 mm	239 mm	right (R)
8S4=213X85L	8S7=213X85L	54	175 mm	380 mm	85 mm	200 mm	243 mm	left (L)
8S4=218X85R	8S7=218X85R	54	180 mm	390 mm	67 mm	218 mm	245 mm	right (R)
8S4=214X82L	8S7=214X82L	17	179 mm	450 mm	82 mm	210 mm	250 mm	left (L)
8S4=215X83R	8S7=215X83R	17	175 mm	350 mm	70 mm	215 mm	246 mm	right (R)
8S4=218X85L	8S7=218X85L	8	187 mm	405 mm	75 mm	210 mm	234 mm	left (L)
8S4=218X83R	8S7=218X83R	8	180 mm	390 mm	70 mm	190 mm	240 mm	right (R)
8S4=220X91L	8S7=220X91L	11	175 mm	410 mm	75 mm	210 mm	236 mm	left (L)
8S4=214X90R	8S7=214X90R	11	181 mm	453 mm	76 mm	214 mm	230 mm	right (R)
8S4=221X81L	8S7=221X81L	51	182 mm	468 mm	70 mm	221 mm	251 mm	left (L)
8S4=225X82R	8S7=225X82R	51	183 mm	360 mm	67 mm	210 mm	240 mm	right (R)
8S4=228X84L	8S7=228X84L	53	180 mm	445 mm	73 mm	228 mm	250 mm	left (L)
8S4=222X84R	8S7=222X84R	53	170 mm	360 mm	78 mm	222 mm	244 mm	right (R)
8S4=228X88L	8S7=228X88L	52	186 mm	345 mm	72 mm	228 mm	250 mm	left (L)
8S4=228X89R	8S7=228X89R	52	194 mm	325 mm	77 mm	213 mm	2,550 mm	right (R)
8S4=232X94L	8S7=232X94L	55	184 mm	420 mm	76 mm	220 mm	270 mm	left (L)
8S4=230X93R	8S7=230X93R	55	184 mm	390 mm	75 mm	230 mm	250 mm	right (R)
8S4=238X92L	8S7=238X92L	14	187 mm	465 mm	71 mm	238 mm	255 mm	left (L)
8S4=244X94R	8S7=244X94R	14	179 mm	455 mm	70 mm	244 mm	260 mm	right (R)

- The entire SkinNatural colour palette is produced with seven colours. The new 646M47 colour scale helps to select the right sample.
- Available in 18 different shades.
- When ordering, please add the colour code according to the colour sample set (article no. 646M3) to the article number.
- In addition to the standard prosthetic glove, Ottobock also offers additional models of the Skin Natural series. The multilayer structure of the gloves gives them a depth effect so that they have a very vivid appearance. Please add an N before the = in the article number.
- Available in 18 different shades. When ordering, please add the colour sample set according to the 646M3 colour swatches to the end of the article number.

12R6 **Transhumeral modular kit**

The modular structural component set contains the components for an upper arm prosthesis. Suitable for short and long above-elbow residual limbs with passive elbow lock as well as upper arm and forearm rotation.

Key features

- Passive elbow lock
- Upper arm and forearm rotation
- Tubes can be individually shortened in the defined range
- 13R6 adapter for long residual limbs included

Technical data

Article number	Side
12R6=R	right (R)
12R6=L	left (L)

Information material

647G471=ALL_INT	Instructions for use | 12R6, 12R7, 13R1

12R7 **Shoulder disarticulation modular kit**

The modular structural component set contains components for a shoulder disarticulation prosthesis with passive elbow lock.

Key features

- Passive elbow lock
- Upper arm and forearm rotation
- Tubes can be individually shortened in the defined range
- 13R7 adapter for connection to the 12S4 Ottobock shoulder joint included

Technical data

Article number	Side
12R7=L	left (L)
12R7=R	right (R)

Information material

647G471=ALL_INT	Instructions for use | 12R6, 12R7, 13R1

Accessories/spare parts for 12R6, 12R7

15K10 **Foam modular kit**

The modular foam kit contains two pre-shaped foam blocks as shaping elements in combination with the 12R6 and 12R7 modular sets. The forearm circumference is 300 mm, and the shape of the blocks can be customised.

Technical data

Article number	Forearm circumference
15K10	300 mm

13Y1 **Flexion cable retainer**

Flexion cable retainer for use on the forearm tube.

Technical data

Article number
13Y1

13R9 **Connection ring with groove**

Connection disc with groove for attaching the perlon frizz stockinette to the wrist joint.

Technical data

Article number	Outside Ø	For hand size
13R9=45	45 mm	6 3/4
13R9=50	50 mm	7 1/4
13R9=55	55 mm	7 3/4, 8
13R9=65	65 mm	Passive prosthetic hands (adaptable)

16X12 **Elbow joint bars**

Two joint bars for arm prostheses, usable on both sides. One joint bar has a swivelling cable lock and 18 locking positions in 7.2° increments. The other joint bar has a flat bar profile and no lock.

Technical data

Article number	Head Ø	Material	Quantity unit
16X12	30 mm	Stainless steel	Pair

Information material

647G472=ALL_INT	Instructions for use | 16X12, 16X13, 16X14, 16Y27, 16Y31=N

16X13 **Elbow joint bar with cable lock**

Joint with swivelling cable lock, 18 locking positions in 7.2° increments, flat bar profile, suitable for both sides, for arm prostheses. Head diameter of 30 mm, joint bar length of 320 mm (top and bottom), joint bar width/thickness: 14 / 2 mm.

Technical data

Article number	Head Ø	Material	Quantity unit
16X13	30 mm	Stainless steel	Piece

Information material

647G472=ALL_INT	Instructions for use | 16X12, 16X13, 16X14, 16Y27, 16Y31=N

16X14 **Elbow joint bar without lock**

The joint is freely moveable with a flat joint bar profile. Head diameter of 30 mm, joint bar length of 320 mm (top and bottom), joint bar width/thickness: 14 / 2 mm.

Technical data

Article number	Head Ø	Material	Quantity unit
16X14	30 mm	Stainless steel	Piece

Information material

647G472=ALL_INT	Instructions for use | 16X12, 16X13, 16X14, 16Y27, 16Y31=N

Accessories/spare parts for 16X12, 16X13, 16X14

16Y27 **Joint Piece with Cable Lock**

Joint piece with cable lock. 18 locking positions in 7.2° increments, suitable for both sides. With joint bracket and socket screws (oval head screws). Compatible with 12K27, 16X12 and 16X13.

Technical data

Article number	Quantity unit
16Y27	Piece

Information material

647G472	Instructions for use | 16X12, 16X13, 16X14, 16Y27, 16Y31=N

16Y31 **Joint Piece without Lock**

Joint piece without lock, compatible with 16X12 and 16X14. With joint bracket and socket screws.

Technical data

Article number	Quantity unit
16Y31=N	Piece

Information material

647G472	Instructions for use | 16X12, 16X13, 16X14, 16Y27, 16Y31=N

16Y26 **Pull cable**

The pull cable with threaded connection is a spare part for the 12K27 elbow component and the 16X12 and 16X13 elbow joint bars.

Technical data

Article number	Quantity unit
16Y26	Piece

21Y79 **Stirrup with wedge lock**

Belt flap with wedge lock, compatible with 16X12 and 16X13 models.

Technical data

Article number	Quantity unit
21Y79	Piece

12S6 **MovoShoulder swing**

The MovoShoulder Swing shoulder joint's free swing of up to 40° reduces pressure from the prosthetic socket and allows natural, harmonious movements. Abduction of up to 20° facilitates more comfortable movement patterns during many activities of daily life.

Key features

- Natural, harmonious movements and reduced pressure from the prosthetic socket thanks to free swing (up to 40°) and abduction (up to 20°)
- Relieves the back and shoulder for improved body posture
- Facilitates hand to mouth activities such as eating and facial care
- Locking is realised using a certain body movement or the sound hand, with no additional control elements such as switches or a body harness
- Can be used with the DynamicArm

Technical data

Article number	Side	Overall length	Weight
12S6=L	left	230 mm	242 g
12S6=R	right	230 mm	242 g

12S4 **Ottobock shoulder joint**

The double-axis shoulder joint with separate friction and two arm joint bars can be used on both sides and is suitable for users with a forequarter amputation or shoulder disarticulation. It provides two degrees of freedom and permits anteversion/retroversion as well as abduction/adduction movements.

Key features

- Separate friction
- Two degrees of freedom
- Permits anteversion/retroversion as well as abduction/adduction movements
- With integrated lamination ring (43 mm diameter)
- Connection to elbow component with bars

Technical data

Article number	Overall length	Lamination ring Ø	Weight
12S4	210 mm	43 mm	134 g

Information material

647G473=ALL_INT	Instructions for use | 12S4, 12S7

12S7 **Ottobock ball shoulder joint**

The Ottobock ball shoulder joint has a threaded stud M12X1.5.

Technical data

Article number	with	Weight	Material
12S7	threaded stud M12x1.5	78 g	Light metal

Information material

647G473=ALL_INT	Instructions for use | 12S4, 12S7

Accessories/spare parts for 12S6, 12S4, 12S7

13Z16 **Lamination ring**

Spare part for Ottobock 12S4 shoulder joint.

Technical data

Article number	Spare part for	User group
13Z16=43	12S4	adults, youths, mature adults

13D1 **O-ring set**

The O-ring set contains spare parts for the 12S6 MovoShoulder Swing.

Technical data

Article number	Spare part for	Side
13D1	12S6=L 12S6=R	universal

13R1 **Modular elbow joint**

Modular elbow joint with passive lock.

Technical data

Article number	Side
13R1=L	left (L)
13R1=R	right (R)

13R3 **Light metal piping**

Gold anodised light metal piping with a length of 250 mm, with reinforced ring and glide bushing.

Technical data

Article number	for	Length	Side
13R3	Modular arm components	250 mm	both sides

13G8 **Lamination ring**

Lamination ring for use with elbow components for children (article no. 12K19=40). Lamination ring for use with the elbow components with passive lock (article no. 12K5 and 12K20) and the transhumeral modular kit (article no. 12R6).

Technical data

Article number	User group	Outside Ø	Spare part for
13G8=54	children, youths	54 mm	12K19
13G8=67	children, youths	67 mm	12R6, 12R6, 12K5, 12K5, 12K20, 12K20

501S35 **Truss head screw**

Socket screw for 12R6, 12R7, 13R5, 13R6 and 13R7.

Technical data

Article number	for	Thread
501S35=M4X6	12R6, 12R7, 13R5, 13R6 and 13R7	M4

501Z2 **Cap screw (Allen screw)**

501Z2 cap screw as a spare part for various Ottobock adapter systems.

Technical data

Article number	Spare part for	Thread
501Z2=M4X18	12R6=L 12R6=R	M4

10R5 **Adapter**

Adapter for connecting the 13R3/13R4 tubes and the 13R6/13R7 adapters to the elbow joint. For hand and upper arm rotation.

Technical data

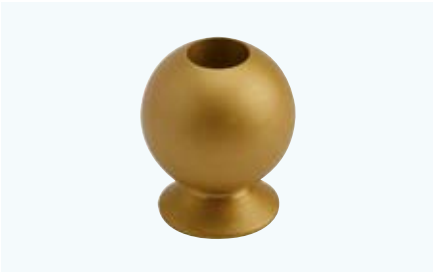
Article number	for	Connection Ø	Length	Weight
10R5	hand and upper arm rotation	20 mm	30 mm	13 g

506G1 **Grub screw**

Set screw for articles 10R5, 12R6 and 12R7.

Technical data

Article number	for
506G1=M8X10	
506G1=M4X8	
506G1=M4X6	
506G1=M6X8	
506G1=M8X25	
506G1=M3X10	
506G1=M5X12	
506G1=M6X10	10R5, 12R6, 12R7



13X5 **Joint ball**

Spare part for the Ottobock 12S7 ball shoulder joint.

Technical data

Article number
13X5

10R2 **Adapter**

Adapter with interior thread for connecting a hook or system hand to modular arm components.
Adapter to connect modular arm components to the 12S7 ball shoulder joint with M12X1.5 interior thread.

Technical data

Article number	Connection Ø	Interior thread
10R2=M12X1.5	20 mm	M12X1.5
10R2=1/2“-20	20 mm	1/2“-20

Information material

647G454=ALL_INT	Instructions for use | 10R1, 10R2, 10R3, 10R4

13R4 **Light metal piping**

Gold anodised light metal piping with reinforced ring and glide bushing (length: 120 mm).

Technical data

Article number	for	Length	Side
13R4	Modular arm components	120 mm	both sides

13R6 **Adapter**

Adapter for connecting the 13G8 lamination ring to the elbow joint using the 10R5 adapter.

Technical data

Article number	for	Side
13R6	Modular arm components	both sides

13X3 **Friction ring**

Spare part for the Ottobock 12S7 ball shoulder joint.

Technical data

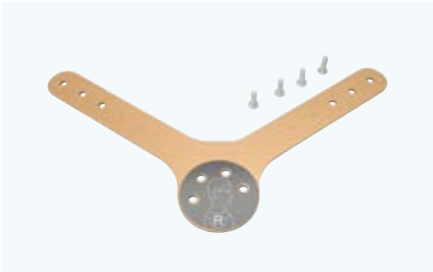
Article number
13X3

13X4 **Joint clamp**

Spare part for the Ottobock 12S7 ball shoulder joint.

Technical data

Article number
13X4



13D2 **Shoulder bracket set**

The shoulder bracket set contains spare parts for the 12S6 MovoShoulder Swing.

Technical data

Article number	Spare part for	Side
13D2=R	12S6=R	right
13D2=L	12S6=L	left

14Y3 **IntoLiner Acclimate**

The IntoLiner Acclimate, together with a custom fabricated frame socket, forms the connection between the residual limb and the arm prosthesis. It enhances the comfort of the upper limb prosthesis with its temperature equalising, breathable properties.

Technical data

Article number	Length	Circumference 1	Circumference 2
14Y3=140	290 mm	140 mm	160 mm
14Y3=160	290 mm	160 mm	205 mm
14Y3=180	290 mm	205 mm	200 mm
14Y3=200	290 mm	200 mm	220 mm
14Y3=220	290 mm	220 mm	240 mm

- For correct size selection, measure the circumference 3 cm proximal from the end of the residual limb. Subtract 1 to 2 cm from the measured circumference according to the soft tissue situation.

Information material

647G772=ALL_INT	Instructions for use | 14Y3 IntoLiner Acclimate

14Y5 **Skeo Up**

Robust and featuring a new design, the liner is intended for a residual limb socket up to a length of 100 mm in the area of the upper arm/forearm. Its special outer coating makes it easier to put on and take off. Thanks to the roughened inner contour, it offers a high level of wearing comfort.

Technical data

Article number	Length	Circumference 1	Circumference 2
14Y5=110	209 mm	110 mm	150 mm
14Y5=140	209 mm	140 mm	160 mm
14Y5=160	209 mm	160 mm	205 mm
14Y5=180	209 mm	205 mm	220 mm
14Y5=200	220 mm	200 mm	220 mm
14Y5=220	220 mm	200 mm	240 mm

- For correct size selection, measure the circumference 3 cm proximal from the end of the residual limb. Subtract 1 to 2 cm from the measured circumference according to the soft tissue situation.

Information material

647G1642=ALL_INT	Instructions for use | 14Y1, 14Y5 Skeo Up

Accessories/spare parts for 14Y3, 14Y5

14A111 **Dummy set**

Dummy set for aligning a prosthesis with the Ottobock silicone ArmLiner. The set consists of one pin dummy with a thread and one without as well as a shape dummy for the lamination ring.

Technical data

Article number
14A111

14A1 **Lock set**

Lock set to secure an Ottobock 14Y5 silicone ArmLiner in the prosthetic socket.

Technical data

Article number	Length
14A1	10.5 mm

14A110 **Lock with release pin**

Lock with release pin serves as a spare part for 14A1.

Technical data

Article number	Spare part for	Length
14A110	14A1	9 mm

640F18 **Donning spray**

The donning spray for Ottobock Skeo liners and prosthetic gloves (silicone, PVC) is needed among other things for putting on and removing the liner or prosthetic glove.

Technical data

Article number	for	Contents
640F18	Prosthetic gloves and liners	90 ml
640F18=900	Prosthetic gloves and liners	900 ml

453H10 **Derma Clean**

Derma Clean is a special cleaning lotion for highly stressed skin. The pH-neutral lotion featuring an antibacterial formula is free of alkali and phosphates. Derma Clean is also suitable for cleaning the prosthesis, orthosis or liner.

Technical data

Article number	Order unit	Packaging	Contents
453H10-N	Bottle	Package of 6	300 ml
453H10=1-N	Bottle	1 piece	300 ml

Information material

646D396=GB	Product information – Derma skin care series

453H14 **Derma Repair**

Derma Repair provides special basic skin care with panthenol and vitamin E to regenerate highly stressed skin. It soothes irritated skin and makes it noticeably more supple and elastic. Using Derma Repair also promotes the skin’s blood circulation and cell growth.

Technical data

Article number	Order unit	Packaging	Contents
453H14	Bottle	Package of 6	200 ml
453H14=1	Bottle	1 piece	200 ml

Information material

646D396=GB	Product information – Derma skin care series

453H12 **Derma Prevent**

Derma Prevent provides special protection for highly stressed skin. The lotion prevents chafing, protects the skin and keeps it soft and supple. It also inhibits contact with external allergens and reduces perspiration and odour formation.

Technical data

Article number	Order unit	Packaging	Contents
453H12	Bottle	Package of 6	100 ml
453H12=1	Bottle	1 piece	100 ml

Information material

646D396=GB	Product information – Derma skin care series

14A107 **Pin**

The pin is available in various lengths.

Technical data

Article number	Length
14A107	23 mm
14A107=1	28 mm
14A107=2	33 mm

Information material

647G1279=ALL_INT	Instructions for use (qualified personnel) | 21A47=*
646D1544=EN_MASTER	Product brief | Transhumeral soft harness

21A47 **Transhumeral soft harness**

A transhumeral soft harness for upper arm prostheses with myoelectric or passive elbow joints. The comfortable, padded harness consists of a sling and a sleeve and can be removed completely. Users can put it on and take it off with one hand.

Key features

- Textile harness
- For passive or myoelectric elbows
- Can be put on and taken off with one hand
- Material absorbs perspiration
- Washable
- Soft material in the armpit equalises pressure
- Physiological swing of the arm due to strap routing on the back
- Attractive design
- The user can make small adjustments themselves and can tighten or loosen the harness in certain situations
- Available in three sizes for both the right and left arms

Technical data

Article number	Side	Size	Colour
21A47=L-L-1	left (L)	L	1 Grey
21A47=L-M-1	left (L)	M	1 Grey
21A47=L-S-1	left (L)	S	1 Grey
21A47=R-L-1	right (R)	L	1 Grey
21A47=R-M-1	right (R)	M	1 Grey
21A47=R-S-1	right (R)	S	1 Grey

- The arm strap (article no. 21A48) can also be ordered separately.

Information material

647G1674=ALL_INT	Instructions for use | 21A35, 21A36

21A35 **Triple-control above-elbow harness**

The triple-control above-elbow harness is used to secure the prosthetic socket and control body-powered prostheses. It is compatible with right and left-side prostheses.

Technical data

Article number	Design of cable pull
21A35=1	Perlon cable

21A36 **Below-elbow harness**

The below-elbow harness is intended for fixation of the prosthetic socket and for control of body-powered prostheses. It is compatible with right and left-side prostheses.

Key features

- Serves to secure the prosthetic socket
- Control of body-powered prostheses
- With integrated perlon cable (article no. 21A36=1) or plastic-coated steel cable (article no. 21A36=2).
- Suitable for prostheses on the right and left sides

Technical data

Article number	Design of cable pull
21A36=1	Perlon cable

Information material

647G1674=ALL_INT	Instructions for use | 21A35, 21A36

Accessories/spare parts for 21A47, 21A35, 21A36

651D4 **Steel cable, coated**

The steel cable is wrapped inside a plastic sheath.

Technical data

Article number
651D4=2
651D4=1.16

21A37 **Bowden cable**

The Bowden cable is a spare part for the 21A35=1 triple-control above-elbow harness and the 21A36=1 below-elbow harness.

Technical data

Article number	Spare part for	Length	Diameter
21A37=1	21A35=1 21A36=1	500 mm	4 mm

10Y31 **Ball-shaft adapter**

Together with the 10Y32=* coupler, the ball-shaft adapter forms a connecting element.

Technical data

Article number	for	Width	Length	Weight
10Y31=1	21A18=2 Perlon cable	5 mm	14.5 mm	1 g
10Y31=2	651D4=2 Steel cable	5 mm	14.5 mm	1 g
10Y31=7	3/64“ steel cable	5 mm	14.5 mm	1 g
10Y31=8	1/16“ steel cable	5 mm	14.5 mm	1 g
10Y31=9	3/32“ steel cable	5 mm	14.5 mm	1 g

10Y32 **Coupler**

Together with the 10Y31=* ball-shaft adapter, the coupler forms a connecting element.

Technical data

Article number	for	Width	Length	Weight
10Y32=1	21A18=2 Perlon cable	6,5 mm	20 mm	1,6 g
10Y32=2	651D4=2 Steel cable	6,5 mm	20 mm	1,6 g

21Y194 **Ring**

The harness ring has an integrated cable guide.

Technical data

Article number	Spare part for	Outside Ø
21Y194	21A35=1 21A36=1	71 mm

21Y195 **Stainless steel buckle**

Stainless steel buckle for positioning and fixing the harness strap.

Technical data

Article number	Spare part for	Width	Length
21Y195=25	21A35=1 21A36=1	18 mm	31 mm

21Y197 **Connecting bracket**

The connecting bracket is a spare part for both the 21A36 below-elbow harness and 21A35 triple-control above-elbow harness.

Technical data

Article number	Spare part for	Width	Length
21Y197=1	21A35=1 21A36=1	71 mm	100 mm

21A38 **Axilla pad set**

Axilla pad set made of white foam.

Technical data

Article number	Spare part for	Weight	Contents	Material	Colour
21A38	21A35=1 21A36=1	30 g	5 Piece(s)	Foam	6 White

21Y199 **Strap buckle**

Strap buckle for a seamless connection between the 623G23 elastic harness strap and the prosthetic socket. Consisting of sleeve, lower part, upper part and spacer sleeve.

Technical data

Article number	Spare part for	Width	Length
21Y199	21A35=1 21A36=1	29 mm	38.5 mm

21Y203 **Spacer sleeve**

The spacer sleeve is a spare part for the 21Y199 strap buckle.

Technical data

Article number	Spare part for	Outside Ø
21Y203	21A35=1 21A36=1	8 mm

503F3 **Socket screw with Allen head**

Socket screw with Allen head.

Technical data

Article number	Thread	Thread length	Head Ø	Minimum order quantity
503F3=M4X8-20	M4	7 mm	8 mm	20 piece(s)
503F3=M4X8-100	M4	7 mm	8 mm	100 piece(s)

623G23 **Elastic harness strap**

Elastic harness strap in white with tunnel-shaped cable guide.

Technical data

Article number	Width	Length	Order unit
623G23	25 mm	Roll of 100 m	linear metres

623H23 **Harness strap**

The white harness strap is an option for the upper arm, forearm and body harnesses.

Technical data

Article number	Width	Length	Order unit
623H23	25 mm	Roll of 100	linear metres
623H23=60	25 mm	60 cm	linear metres
623H23=160	25 mm	160 cm	linear metres

21A18 **Perlon cable**

The perlon cable is an accessory for the triple-control upper arm harness (article number 21A35=1) and the below-elbow harness (article number 21A36=1).

Technical data

Article number	Diameter	Length	Order unit
21A18=2X1	2 mm	1 m	linear metres
21A18=2X5	2 mm	5 m	linear metres
21A18=2X10	2 mm	10 m	linear metres
21A18=2X25	2 mm	25 m	linear metres

29C5 **Setting nut**

Setting nut (knurled), stainless steel.

Technical data

Article number	Thread	Head Ø	Shoulder Ø	Length
29C5=M4X7X2.4	M4	7 mm	5.5 mm	2.4 mm
29C5=M4X7	M4	7 mm	5.5 mm	3.6 mm
29C5=M4X9	M4	9 mm	5.5 mm	3.6 mm
29C5=M5X18	M5	18 mm	6.5 mm	3.6 mm

10Y3 **Cable clamp**

The cable clamp is a spare part for body harnesses.

Technical data

Article number	for
10Y3	21A35=* Triple-control upper arm harness

10Y25 **Clamp sleeve, short**

The short clamp sleeve is used for crimping onto the 651D4=2 steel cable.

Technical data

Article number	for	Width	Length	Weight
10Y25	651D4=2 steel cable (1A35=2 / 21A36=2 body harnesses)	4 mm	3.5 mm	0,16 g

10Y26 **Clamp sleeve, long**

The clamp sleeve is used for crimping onto the 651D4=2 steel cable.

Technical data

Article number	for	Width	Length	Weight
10Y26	651D45=2 steel cable (21A35=2 / 21A36=2 body harness)	4 mm	8 mm	0,3 g

21A5 **Eyelet cable anchor, large**

The bracket is an option for prostheses with a body harness.

Technical data

Article number	Contents	Width	Length	Clear width	Weight
21A5	1 Piece(s)	15 mm	35 mm	5 mm	4 g

21A6 **Spiral nut**

The spiral nut is a spare part for body harnesses.

Technical data

Article number	Diameter	Weight	Length	Contents	for
21A6	5 mm	1,3 g	20 mm	1 Piece(s)	21A35=* / 21A36=* Body harnesses 21A37=1

21A7 **Coupling piece**

The coupling piece is used in combination with the Perlon cord.

Technical data

Article number	Quantity unit
21A7	Piece

21A11 **Threaded sleeve**

The long threaded sleeve is screwed onto the 21A18=2 Perlon cable.

Technical data

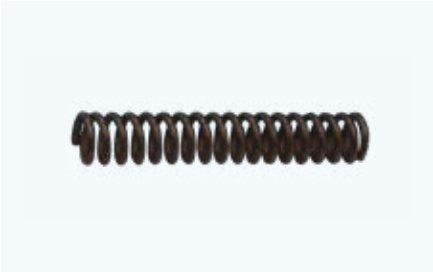
Article number	for	Diameter	Weight	Contents	Quantity unit
21A11	Perlon cable (21A18=2*)	3,8 mm	0,2 g	1 Piece(s)	Piece

21A12 **Threaded sleeve**

The short threaded sleeve is screwed on the 21A18=2 perlon cable (contents: two pieces).

Technical data

Article number	Package contents	Quantity unit
21A12	2 piece(s)	Piece



21A25 **Spring**

The spring is used for the coupling piece.

Technical data

Article number	Quantity unit
21A25	Piece

21Y37 **Cable strap connector**

Cable strap buckle with a clearance width of 25 mm.

Technical data

Article number	Width	Length	Clear width
21Y37	34 mm	22.5 mm	25 mm

623G4 **Elastic double strap**

This product is compatible with the 29R127 clip closure for a carrying strap. It is manufactured from 42% viscose, 37% cotton and 21% spandex. The outer edge is gently rounded and the length can be adjusted to the individual.

Technical data

Article number	Length	Width	Colour
623G4=1	1 m	30 mm	Grey/white
623G4=5	5 m	30 mm	Grey/white

501S28 **Flat head screw**

The nickel-plated countersunk head screw is used for the 16H1 and 16H2.

Technical data

Article number	Thread length	Thread	Quantity unit
501S28=M3.5X5	5	M3.5	Piece

504H3 **Hollow rivet**

Hollow rivet with open lower part. The head diameter is available in 7 mm, 11 mm and 13 mm.

Technical data

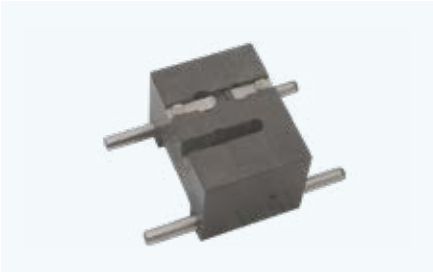
Article number	Head Ø	Minimum order quantity
504H3=7-100	7 mm	100 piece(s)
504H3=11-100	11 mm	100 piece(s)
504H3=13-100	13 mm	100 piece(s)
504H3=7-1000	7 mm	1,000 piece(s)
504H3=11-1000	11 mm	1,000 piece(s)
504H3=13-1000	13 mm	1,000 piece(s)

514Z3 **Loop**

The strap is an accessory for the upper arm and below-elbow harness.

Technical data

Article number	Clear width
514Z3=25	25 mm



736Y6 **Crimping tool**

Crimping tool for crimping the coupling screw and clamp sleeve as well as the 10Y31=2 ball shaft adapter and the 10Y32=2 coupler onto the 651D4=2 steel cable.

Technical data

Article number	Height	Length of work surface	Width	Length	Weight
736Y6	26.5 mm	60 mm	40 mm	30 mm	196 g

Information material

647H13	Instructions for use (user/technician) | 736Y6

10Y19 **Screw coupling**

The coupler connects the steel cable and perlon cable, spectra cable or two perlon cables. It consists of a coupling sleeve and coupling screw, which is screwed onto the perlon cable or through which a spectra cable is threaded and knotted.

Key features

- Serves as a connection piece between a steel cable and perlon cable or spectra cable
- Consists of the coupling sleeve and coupling screw

Technical data

Article number	Width	Length	Weight
10Y19=2	6 mm	16 mm	2.1 g

516S3 **Pad screw head**

The threaded support fastener is made of nickel-plated steel and is used to attach straps and harnesses.

Technical data

Article number	Thread	Thread length	Head Ø	Head height	Base Ø
516S3	M4	5.5 mm	6 mm	6.5 mm	8 mm

507S15 **Lamination disk, serrated**

The serrated lamination disc is an accessory for the 743A18 alignment tool.

Technical data

Article number	Accessory for	Outside Ø	Borehole Ø	Thickness
507S15	743A18	13.8 mm	3 mm	1.5 mm

21A29 **Axillary protector for body harnesses**

Optional silicone axillary protector for 21A35 and 21A36 body harnesses for increased comfort.

Technical data

Article number	Width
21A29=18	18 mm
21A29=25	25 mm

21A24 **Eyelet cable anchor, small**

The bracket is an option for prostheses with a body harness.

Technical data

Article number	for	Clear width
21A24	21A19=* / 21A20=* Old body harness	5 mm

Socket technologies

Improved comfort and prosthetic suspension

Ottobock Socket Technologies ensure that a highly individual part of the prosthesis can be tailor-made to meet the needs of your patient. From individual components to complete custom solutions, we offer an extensive portfolio that lets you assemble the appropriate fitting for your patient.

On the following pages you will find:

- Liners
- Socket components and donning aids
- Harnesses
- SiOXC sockets

Visit www.ottobock.com to obtain up-to-date product information at any time.

14Y5 **Skeo Up**

Robust and featuring a new design, the liner is intended for a residual limb socket up to a length of 100 mm in the area of the upper arm/forearm. Its special outer coating makes it easier to put on and take off. Thanks to the roughened inner contour, it offers a high level of wearing comfort.

Technical data

Article number	Length	Circumference 1	Circumference 2
14Y5=110	209 mm	110 mm	150 mm
14Y5=140	209 mm	140 mm	160 mm
14Y5=160	209 mm	160 mm	205 mm
14Y5=180	209 mm	205 mm	220 mm
14Y5=200	220 mm	200 mm	220 mm
14Y5=220	220 mm		240 mm

- For correct size selection, measure the circumference 3 cm proximal from the end of the residual limb. Subtract 1 to 2 cm from the measured circumference according to the soft tissue situation.

Information material

647G1642=ALL_INT	Instructions for use | 14Y1, 14Y5 Skeo Up

14Y3 **IntoLiner Acclimate**

The IntoLiner Acclimate, together with a custom fabricated frame socket, forms the connection between the residual limb and the arm prosthesis. It enhances the comfort of the upper limb prosthesis with its temperature equalising, breathable properties.

Technical data

Article number	Length	Circumference 1	Circumference 2
14Y3=140	290 mm	140 mm	160 mm
14Y3=160	290 mm	160 mm	205 mm
14Y3=180	290 mm	205 mm	200 mm
14Y3=200	290 mm	200 mm	220 mm
14Y3=220	290 mm	220 mm	240 mm

- For correct size selection, measure the circumference 3 cm proximal from the end of the residual limb. Subtract 1 to 2 cm from the measured circumference according to the soft tissue situation.

Information material

647G772=ALL_INT	Instructions for use | 14Y3 IntoLiner Acclimate

Accessories/spare parts for 14Y5, 14Y3

640F18 **Donning spray**

The donning spray for Ottobock Skeo liners and prosthetic gloves (silicone, PVC) is needed among other things for putting on and removing the liner or prosthetic glove.

Technical data

Article number	for	Contents
640F18	Prosthetic gloves and liners	90 ml
640F18=900	Prosthetic gloves and liners	900 ml

453H10 **Derma Clean**

Derma Clean is a special cleaning lotion for highly stressed skin. The pH-neutral lotion featuring an antibacterial formula is free of alkali and phosphates. Derma Clean is also suitable for cleaning the prosthesis, orthosis or liner.

Technical data

Article number	Order unit	Packaging	Contents
453H10-N	Bottle	Package of 6	300 ml
453H10=1-N	Bottle	1 piece	300 ml

Information material

646D396=GB	Product information – Derma skin care series

453H14 **Derma Repair**

Derma Repair provides special basic skin care with panthenol and vitamin E to regenerate highly stressed skin. It soothes irritated skin and makes it noticeably more supple and elastic. Using Derma Repair also promotes the skin's blood circulation and cell growth.

Technical data

Article number	Order unit	Packaging	Contents
453H14	Bottle	Package of 6	200 ml
453H14=1	Bottle	1 piece	200 ml

Information material

646D396=GB	Product information – Derma skin care series

453H12 **Derma Prevent**

Derma Prevent provides special protection for highly stressed skin. The lotion prevents chafing, protects the skin and keeps it soft and supple. It also inhibits contact with external allergens and reduces perspiration and odour formation.

Technical data

Article number	Order unit	Packaging	Contents
453H12	Bottle	Package of 6	100 ml
453H12=1	Bottle	1 piece	100 ml

Information material

646D396=GB	Product information – Derma skin care series

14A111 **Dummy set**

Dummy set for aligning a prosthesis with the Ottobock silicone ArmLiner. The set consists of one pin dummy with a thread and one without as well as a shape dummy for the lamination ring.

Technical data

Article number
14A111

14A1 **Lock set**

Lock set to secure an Ottobock 14Y5 silicone ArmLiner in the prosthetic socket.

Technical data

Article number	Length
14A1	10.5 mm

14A110 **Lock with release pin**

Lock with release pin serves as a spare part for 14A1.

Technical data

Article number	Spare part for	Length
14A110	14A1	9 mm

14A107 **Pin**

The pin is available in various lengths.

Technical data

Article number	Length
14A107	23 mm
14A107=1	28 mm
14A107=2	33 mm

99B83 **Tube dummies**

The tube dummies are used for fabricating vacuum-formed inner sockets.

Technical data

Article number	Diameter
99B83=16	16 mm
99B83=21	21 mm

99B13 **PVC connection tube**

The PVC connection tube serves as a connection channel between the inner and outer sockets.

Technical data

Article number	Diameter	Colour
99B13=16	16 mm	Skin colour
99B13=16-7	16 mm	Black
99B13=21	21 mm	Skin colour
99B13=21-7	21 mm	Black

12V10 **Tube valve for suction socket**

In combination with the electrode (article no. 13E202), the tube valve creates an airtight socket seal. The PVC connection tube (article no. 99B13) is already included in the scope of delivery.

Technical data

Article number
12V10

453A1 **Derma Protection ArmComfort**

Derma Protection ArmComfort makes the transition from the forearm socket to the upper arm more visually appealing and provides additional support for the prosthesis. The special polymer gel coating, high elasticity and anatomical fit also improve wearer comfort.

Technical data

Article number	for	Overall length
453A1	Adults	245 mm
453A1=1	Children	160 mm

Information material

647H1658=ALL_INT	Instructions for use (User) | Derma Protection Arm-Comfort

OC1560 **EasyFit Arm donning aid**

The EasyFit Arm donning aid saves time and effort when putting on an arm prosthesis with a valve opening.

Technical data

Article number	Size	Proximal residual limb circumference	Distal residual limb circumference	Residual limb length	Colour	Colour seam
OC1560=KIDS	KIDS	29 cm	15 cm	21 cm	Green	Multi-coloured
OC1560=TR	TR	42 cm	22 cm	25 cm	Green	Orange
OC1560=TH	TH	47 cm	28 cm	34 cm	Green	Dark green

Information material

646D536=EN	OC1560 EasyFit Arm donning aid product information

Information material

647G1279=ALL_INT	Instructions for use (qualified personnel) | 21A47=*
646D1544=EN_MASTER	Product brief | Transhumeral soft harness

21A47 **Transhumeral soft harness**

A transhumeral soft harness for upper arm prostheses with myoelectric or passive elbow joints. The comfortable, padded harness consists of a sling and a sleeve and can be removed completely. Users can put it on and take it off with one hand.

Key features

- Textile harness
- For passive or myoelectric elbows
- Can be put on and taken off with one hand
- Material absorbs perspiration
- Washable
- Soft material in the armpit equalises pressure
- Physiological swing of the arm due to strap routing on the back
- Attractive design
- The user can make small adjustments themselves and can tighten or loosen the harness in certain situations
- Available in three sizes for both the right and left arms

Technical data

Article number	Side	Size	Colour
21A47=L-L-1	left (L)	L	1 Grey
21A47=L-M-1	left (L)	M	1 Grey
21A47=L-S-1	left (L)	S	1 Grey
21A47=R-L-1	right (R)	L	1 Grey
21A47=R-M-1	right (R)	M	1 Grey
21A47=R-S-1	right (R)	S	1 Grey

- The arm strap (article no. 21A48) can also be ordered separately.

Information material

647G1674=ALL_INT	Instructions for use | 21A35, 21A36

21A35 **Triple-control above-elbow harness**

The triple-control above-elbow harness is used to secure the prosthetic socket and control body-powered prostheses. It is compatible with right and left-side prostheses.

Technical data

Article number	Design of cable pull
21A35=1	Perlon cable

Information material

647G1674=ALL_INT	Instructions for use | 21A35, 21A36

21A36 **Below-elbow harness**

The below-elbow harness is intended for fixation of the prosthetic socket and for control of body-powered prostheses. It is compatible with right and left-side prostheses.

Key features

- Serves to secure the prosthetic socket
- Control of body-powered prostheses
- With integrated perlon cable (article no. 21A36=1) or plastic-coated steel cable (article no. 21A36=2).
- Suitable for prostheses on the right and left sides

Technical data

Article number	Design of cable pull
21A36=1	Perlon cable

Information material

646D438=GB	Information for technicians – SiOCX sockets for upper limbs
647F672=EN_MASTER	Order form | 8T350=1 SiOCX TR

8T350 **SiOCX TR socket**

The SiOCX sockets for the upper limb - consisting of an HTV silicone inner socket with a carbon prepreg outer socket - impress due to their low weight, functionality and unparalleled comfort. The inner socket is available with Myo contact surfaces as an option, which allow signals to be transmitted directly through the socket to the electrodes.

Key features

- High surface suspension for excellent fixation on the residual limb
- Soft socket brim that adapts to user movements
- Integrated myoelectric contact surfaces of conductive silicone
- Easy-to-clean system with inner socket that can be sterilised
- Dermatologically tested material
- Flexible ulna opening in the outer socket enhances wearer comfort

Technical data

Article number
8T350=1

- To order, please use the ordering process and order form at the end of the section.

Accessories/spare parts for 8T350

8T860 **Myo contact surfaces**

Contact surfaces made of conductive silicone for the transmission of myoelectric signals directly to the electrodes

Technical data

Article number
8T860=1

ottobock.

SiOCX prosthetic sockets.
iFab Ordering process.

1 Send a plaster positive or a well-fitting check socket or definitive socket to Ottobock iFab. The positions of the electrodes, adapter and connections between the inner and outer sockets as well as the position must be marked on the plaster positive. We also require the completed order form for additional information.

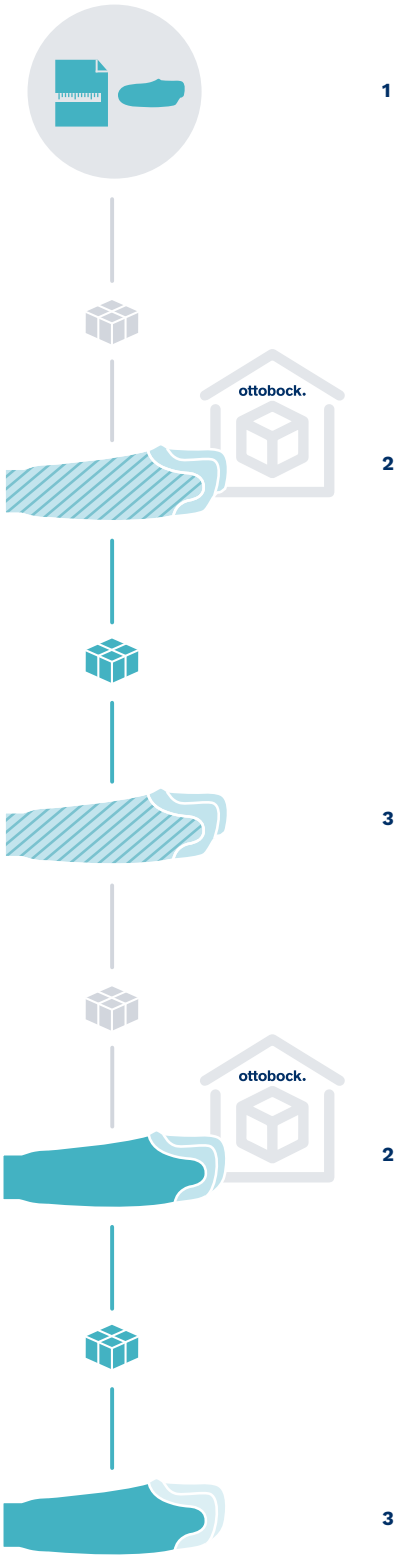
2 The individual HTV silicone inner socket will be fabricated by Ottobock iFab according to the information provided by the prosthetist.

The inner socket is supplied within 10 working days, along with a rigid foam moulded part and a hand adapter for an interim trial fitting. This allows you to determine the shape, position and length of the prosthesis with precision.

3 You should then return the silicone inner socket with the rigid foam moulded part and the hand adapter to Ottobock iFab.

4 The prosthetic socket will now be fabricated for you by Ottobock iFab according to your specifications.

5 You will receive the definitive SiOCX socket after another 7 working days.



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SiOCX TR Socket 8T350=1
iFab Order form.

Contact person | Customer no. | Date

Customer

Company
Street
Postal code | City
Email
Patient ID

Shipping address (if different from customer address)

Company
Street
Postal code | City

Affected side ○ Left ○ Right

Fitting step 1
Silicone inner socket

Colour of the inner socket
- ○ Skin colour
- ○ Uni: .....

Setting nut position
- ○ Standard
- ○ Own specification: .....

Electrode receiver ○ Without ○ 13E202 ○ 13E200

Adapter for PVC connection tube
- ○ 99B13=16 (small)
- ○ 99B13=21 (large)

Myoelectric contact surfaces
- ○ Yes (surcharge)
- ○ No

Rigid foam casting form

Olecranon – thumb measurement: ..... mm

Hand size: .....

Fitting step 2
Prepreg outer socket

- ○ **Flexible outer socket areas**
  (please mark position and size)

Surface design
- ○ Finished carbon design ○ Skin colour
- ○ Designer fabric art. no.: .....

Length
- ○ Accept ○ Shorten by: ..... mm

Lamination ring
- ○ Glue in place ○ Enclose

Comments: .....

.....

.....

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8T351 **SiOCX TR Flex socket**

The SiOCX sockets for the upper limb - consisting of an HTV silicone inner socket with a carbon prepreg outer socket - impress due to their low weight, functionality and unparalleled comfort. The inner socket is available with Myo contact surfaces as an option, which allow signals to be transmitted directly through the socket to the electrodes.

Key features

- High surface suspension for excellent fixation on the residual limb
- Soft socket brim that adapts to user movements
- Integrated myoelectric contact surfaces of conductive silicone
- Easy-to-clean system with inner socket that can be sterilised
- Dermatologically tested material
- Flexible regions in the outer socket enhance wearer comfort
- Enhanced perception of environmental stimuli

Technical data

Article number
8T351=1

Information material

646D438=GB	Information for technicians – SiOCX sockets for upper limbs
647F673=EN_MASTER	Order form | 8T351=1 SiOCX TR Flex

- To order, please use the ordering process and order form at the end of the section.

6

Accessories/spare parts for 8T351

8T860 **Myo contact surfaces**

Contact surfaces made of conductive silicone for the transmission of myoelectric signals directly to the electrodes

Technical data

Article number
8T860=1

ottobock.

SiOCX TR Flex 8T351=1
iFab Order form.

Contact person | Customer no. | Date

Customer

Company
Street
Postal code | City
Email
Patient ID

Shipping address (if different from customer address)

Company
Street
Postal code | City

Affected side ○ Left ○ Right

Fitting step 1
Silicone inner socket

Colour of the inner socket
- ○ Skin colour
- ○ Uni: .....

Setting nut position
- ○ Standard
- ○ Own specification: .....

Electrode receiver ○ Without ○ 13E202 ○ 13E200

Rigid foam moulding (with receiver for prosthetic hand)
Olecranon-to-thumb measurement: ..... mm

Adapter for PVC connection tube
- ○ 99B13=16 (small)
- ○ 99B13=21 (large)
- ○ Valve: .....

Myoelectric contact surfaces
- ○ Yes (surcharge)
- ○ No

Hand type: .....

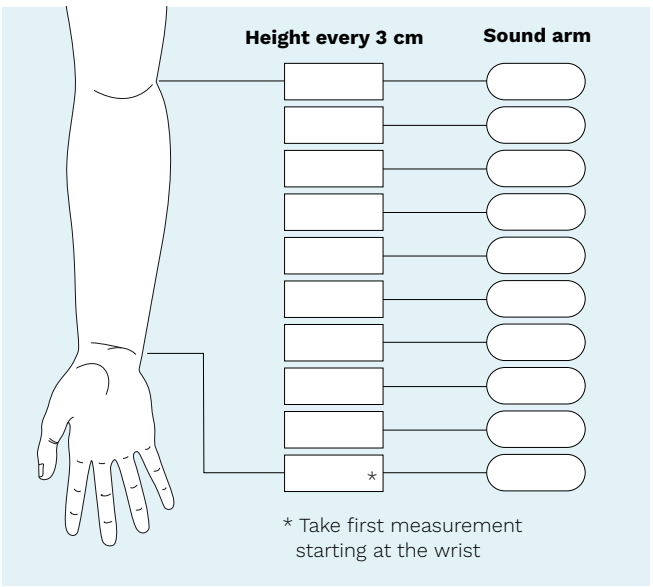
Hand size: .....

Fitting step 2
Flexible outer socket

Surface design (silicone)
- ○ Skin colour
- ○ Uni: .....
- ○ Multi-coloured (following approval by phone, or according to enclosed samples)
- ○ 88L3=B anti-stick coating (surcharge)

Length
- ○ Accept ○ Shorten by: ..... mm

Lamination ring
- ○ Glue in place ○ Enclose



Michelangelo fittings: please send the lamination ring to iFab

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8T550 **SiOCX socket system, TH**

The SiOCX sockets for the upper limb - consisting of an HTV silicone inner socket with a carbon prepreg outer socket - impress due to their low weight, functionality and unparalleled comfort. The inner socket is available with Myo contact surfaces as an option, which allow signals to be transmitted directly through the socket to the electrodes.

Key features

- High surface adhesion for excellent fixation on the residual limb
- Soft socket brim that adapts to user movements
- Integrated myoelectric contact surfaces made of conductive silicone
- Easy-to-clean system with inner socket that can be sterilised
- Dermatologically tested material
- Openings in the outer socket enhance wearer comfort
- Enhanced perception of environmental stimuli

Technical data

Article number
8T550=1

Information material

646D438=GB	Information for technicians – SiOCX sockets for upper limbs
647F674=EN_MASTER	Order form | 8T550=1 SiOCX TH

- To order, please use the ordering process and order form at the end of the section.

6

Accessories/spare parts for 8T550

8T860 **Myo contact surfaces**

Contact surfaces made of conductive silicone for the transmission of myoelectric signals directly to the electrodes

Technical data

Article number
8T860=1

ottobock.

SiOCX TH socket 8T550=1
iFab Order form.

Contact person

Customer no. | Date

Order number

Customer

Company

Street

Postal code | City

Email

Patient ID

Shipping address (if different from customer address)

Company

Street

Postal code | City

Affected side ○ Left ○ Right

○ **Fitting step 1**

Silicone inner socket

Colour of the inner socket

- ○ Skin colour
- ○ Uni: .....

Setting nut position

- ○ Standard
- ○ Own specification: .....

Electrode receiver ○ Without ○ 13E202 ○ 13E200

Adapter for PVC connection tube

- ○ 99B13=16 (small)
- ○ 99B13=21 (large)
- ○ Valve: .....

Myoelectric contact surfaces

- ○ Yes (surcharge)
- ○ No

○ **Fitting step 2**

Prepreg outer socket

- ○ **Flexible outer socket areas**
  (please mark position and size)

Surface design (silicone)

- ○ Finished carbon design
- ○ Skin colour
- ○ Uni: .....
- ○ Designer fabric item no.: .....

Length

○ Accept ○ Shorten by: ..... mm

Lamination ring

Please send to Ottobock iFab with the dummies included, otherwise these components will be invoiced.

Comments: .....

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Customised silicone prostheses

Appealing Functional Individual

Our hands combine sensory, motor as well as social functions. They are always visible – and are a way of introducing ourselves when giving a first impression. The loss of a finger, parts of the hand or the forearm affects the functionality as well as the appearance of the upper limb. Some of those affected prefer to hide their hand from others and are ashamed in public. An established treatment in this context is a fitting with a silicone prosthesis. The prostheses look very natural and are not even noticed at first in everyday life. The deceptively real restoration of the anatomically correct shape and colour of the limb ensures relaxed interactions with others – a key aspect in helping the individual integrate into everyday social and professional life.

On the following pages you will find

- Silicone cover for the upper limb
- Silicone partial hand prosthesis
- Silicone finger prosthesis

Visit www.ottobock.com to obtain up-to-date product information at any time.

Information material

647F669=EN_INT	Order form | Upper limb silicone cover
647F285=GB	Technician brochure | Colour determination

88A10-12 Custom silicone covers for the upper limb

For many users, a natural outward appearance is just as important as the functional benefits of a prosthesis.Every silicone cover is unique, fabricated by hand and adapted to the appearance of the opposite limb. This creates a natural-looking imitation of your user's arm and hand as regards size, shape, colouring and anatomical characteristics.

Key features

- Anatomical, customised restoration of the outer appearance
- Easy to clean with pH-neutral soap and water
- Skin-friendly medical-grade silicone

Technical data

Article image	Article number	Description	Product features
	88A12	Silicone cover (hand - elbow) "Classic"	• Anatomical shape • Custom silicone cover in two to three colours • Anatomical surface structure • Multi-coloured fingernails made of silicone or acrylic
	88A10	Silicone cover (hand - elbow) "Natural"	• Anatomical shape • Custom silicone cover in 8-10 colours • Anatomical surface structure • Multi-coloured fingernails made of silicone or acrylic
	88A11	Silicone cover (elbow - shoulder) "Natural"	• Anatomical shape • Custom silicone cover in 8-10 colours • Anatomical surface structure • Multi-coloured fingernails made of silicone or acrylic

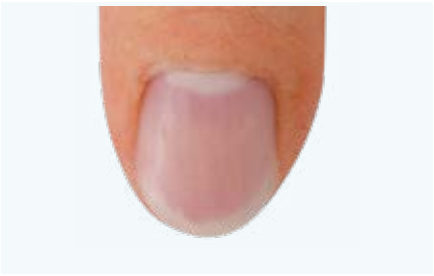
- For the "Natural" variant, the patient must visit an Ottobock Competence Center. Prior to final finishing, a follow-up appointment can also take place in order to optimise the aesthetic appearance.

Customised products from Ottobock iFab

Ottobock iFab is an extended workbench that serves as your reliable partner for the centralised fabrication of custom devices in orthotics and prosthetics in the era of digital transformation.

For information about iFab products, or if you have questions or comments, please contact us: ifab@ottobock.com

Ordering options for 88A10-12

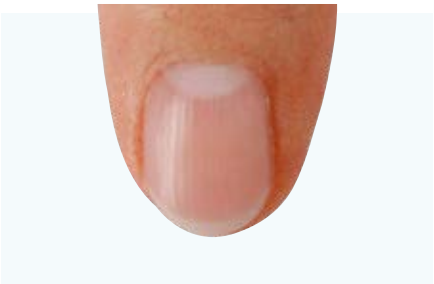


88A2=S **Multicoloured silicone nails for “Classic” and “Natural”**

Silicone nails for silicone partial hand prosthesis

Technical data

Article number
88A2=S

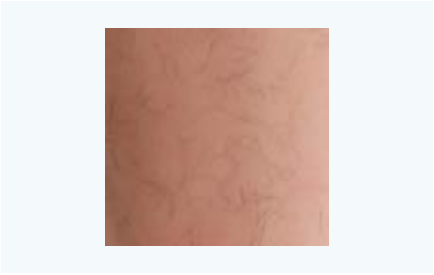


88A2=A **Multicoloured acrylic nails for “Classic” and “Natural”**

Acrylic nails for partial hand prostheses

Technical data

Article number
88A2=A



88A20=H **Hair**

Implementation of real hair as on the contralateral side is possible on request, matching the colour, length, shape and thickness.

Technical data

Article number
88A20=H

88A20=T **Tattoo for silicone prostheses**

Implementation of special requests, such as applying a tattoo.

Technical data

Article number
88A20=T

Accessories/spare parts for 88A10-12

89D4/89D5 **Colour determination ring**

Colour determination ring for custom prostheses and silicone covers.

Key features

- The colour determination ring helps you determine your patient’s skin colour

Technical data

Article number	Type
89D4	28 colors
89D5	68 colors

ottobock.

Upper limb silicone cover.
iFab Ordering process.

1 Measure the patient's contralateral side and complete the measurement form. Also please take an impression and photos of the contralateral side and determine the colour depending on the type of prosthesis using the colour sheet (647D85=GB) and colour determination ring (89D4).

Please send the following to Ottobock iFab:

- The prosthesis to be coated
- The measurement form
- The colour determination forms
- The impression of the contralateral side
- The photos

2 Ottobock iFab will fabricate the silicone cover for you and ship it within 20 working days.

3 You receive an easy to clean, functional silicone cover which helps restore the outward appearance of your patient.

Instructions for determining the colour can be found on Ottobock's YouTube channel: Custom silicone products – Colour determination

www.ottobock.com

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Upper limb silicone cover.
iFab Order form.

Contact person | Customer no. | Date

Patient ID | Order number

Customer

Company

Street

Postal code | City

Email

Shipping address (if different from customer address)

Company

Street

Postal code | City

Customer order number

Age: .....

Gender ○ Female ○ Male

Affected side ○ Left ○ Right

Configuration

- ○ **88A10** Silicone cover (hand – elbow) “Natural”
- ○ **88A11** Silicone cover (elbow – shoulder) “Natural”
- ○ **88A12** Silicone cover (hand – elbow) “Classic”
- ○ **88A2=S** Silicone fingernails (multicoloured)
- ○ **88A2=A** Acrylic fingernails (multicoloured)
- ○ **88A2=NP** Polish acrylic nails (unicoloured)
- ○ **88A20=H** Genuine arm hair (from contralateral side)
- ○ **88A20=T** Tattoo (Implementation of special requests)

Supplied are

- ○ Complete checklist
- ○ Colour determination as per colour determination sheet
- ○ Assembled prosthesis
- ○ Cast of the contralateral side
- ○ Photos

Comments: .....

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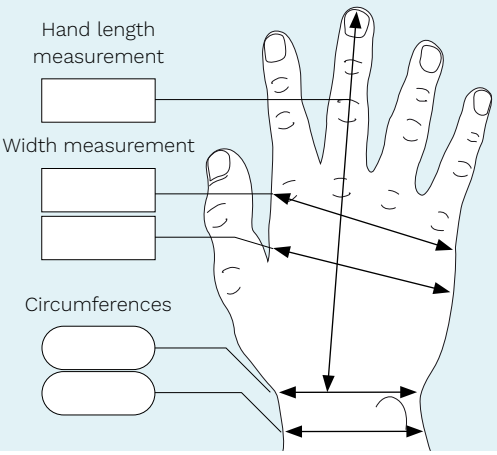
Upper limb silicone cover.
iFab Measurement form.

Contact person	Customer no.	Date
Patient ID	Order number	

Measurement form contralateral and amputated side

Please reproduce the anatomical shape of the arm in the prosthesis and note that the prosthesis circumference should be approx. 12–14 mm less compared to the contralateral side.

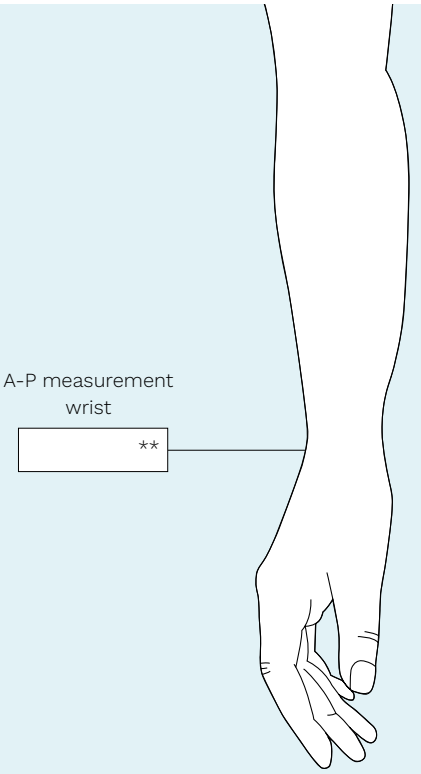
To be filled out by prosthetist (mm)



Finger measurements (mm)

D	I	II	III	IV	V
DIP (circumference)					
PIP-DIP (circumference)					
MCP-PIP (circumference)					
Finger length from MCP joint					

Please take the circumference of the contralateral side every 5 cm.



Contralateral side (circumference)	**Prosthesis** (circumference)
*	

* Take first measurement starting at the wrist.
** Callipier A-P measurement of wrist.

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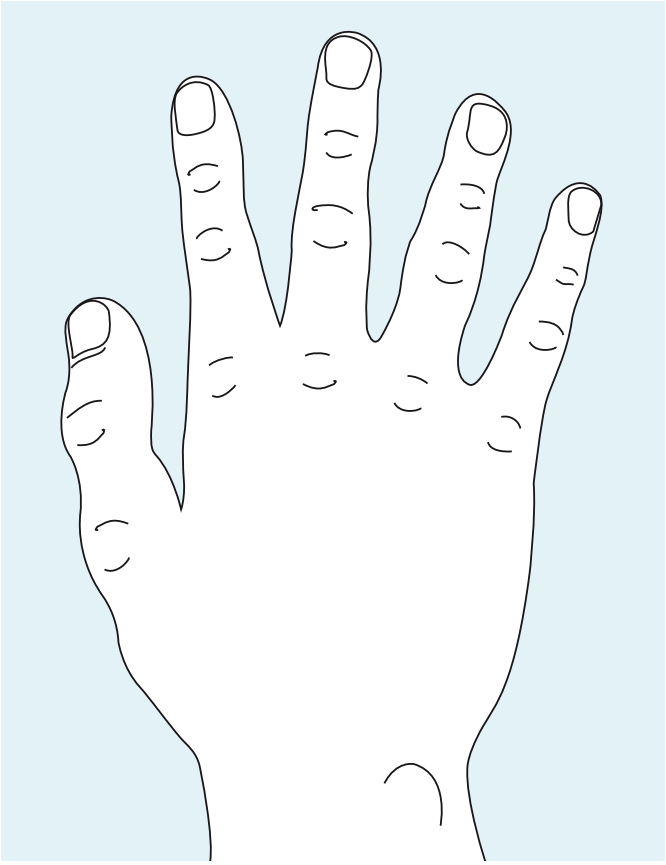
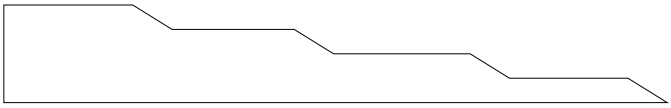
Upper limb silicone cover.
iFab Colour determination sheet.

Contact person	Customer no.	Date
Patient ID	Order number	



Colour sample – colour strength

Use pen to mark skin colours on the sketch



IV **III*** **II** **I**

Pen	Colour sample	Colour strength
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Model blood vessels ○ Yes ○ No

*Use thickness III for the primer.

Nails

○ Acrylic
○ Silicone

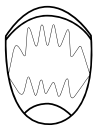
Nail length

○ Like photo
○ mm longer

Nail shape

○ ○

Colour



Nail tip	
Distal edge	
Central	
Proximal edge	
Moon	

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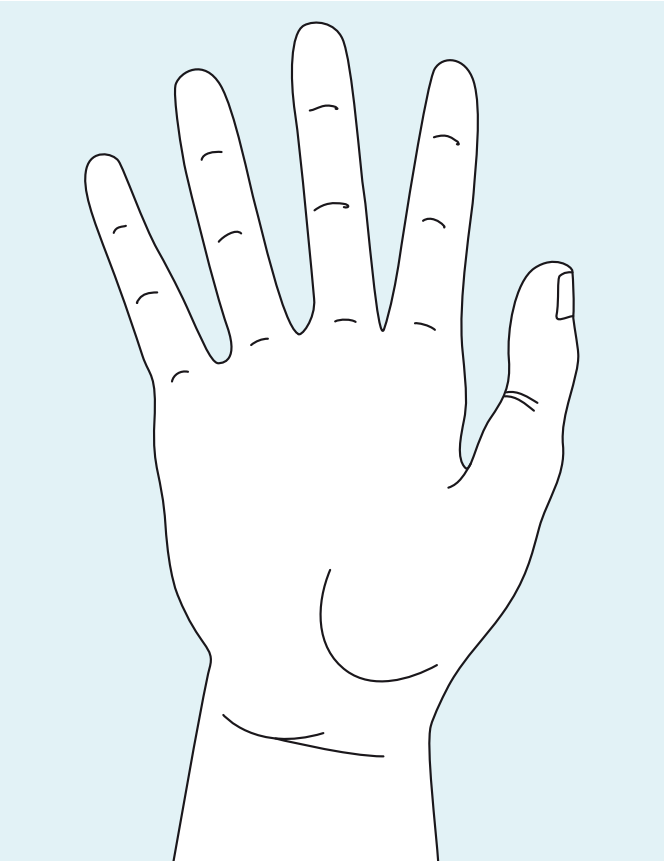
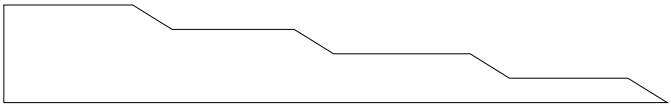
Upper limb silicone cover.
iFab Colour determination sheet.

Contact person	Customer no.	Date
Patient ID	Order number	



Colour sample – colour strength

Use pen to mark skin colours on the sketch



IV **III*** **II** **I**

Pen	Colour sample	Colour strength
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Model blood vessels ○ Yes ○ No

*Use thickness III for the primer.

Comments: .....

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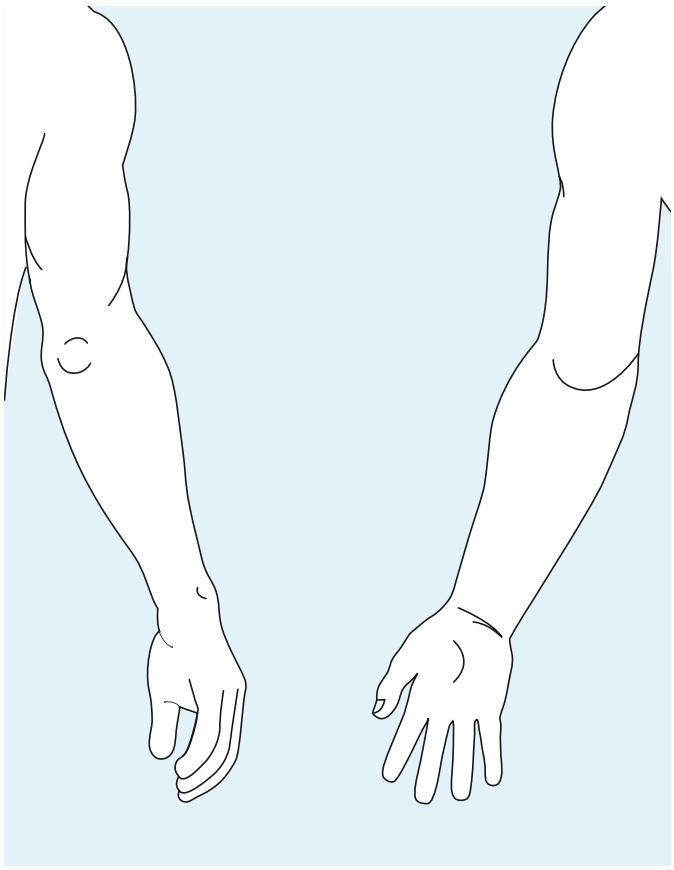
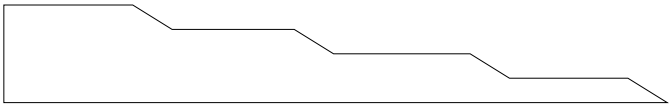
Upper limb silicone cover.
iFab Colour determination sheet.

Contact person	Customer no.	Date
Patient ID	Order number	



Colour sample – colour strength

Use pen to mark skin colours on the sketch



IV **III*** **II** **I**

Pen	Colour sample	Colour strength
1		
2		
3		
4		
5		
6		

*Use thickness III for the primer.

Comments: .....

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Information material

646A259=GB	Information for technicians – custom silicone partial hand and finger prostheses
646T3=1.1GB	Technical information Impression taking and measurement technique Custom silicone partial hand and finger prostheses
647F667=EN_INT	Order form | Silicone partial hand prosthesis
647G542	Instructions for use (patient) | Customised silicone finger and partial hand prosthesis
647F285=GB	Technician brochure | Colour determination

88A2 **Custom silicone partial hand prostheses**

Silicone partial hand prostheses offer a functional partial hand replacement, for example after amputations in the metacarpophalangeal joint and mid-hand area. The partial hand replacement provides passive functionality to those affected, such as counter-support when grasping objects. A custom socket design – and the resulting optimal fit of the silicone socket – are indispensable for ensuring functionality.

Key features

- Anatomical, customised restoration of the outer appearance
- Very comfortable
- Seamless, tapered socket
- Easy to clean with pH-neutral soap and water
- Skin-friendly medical-grade silicone

Technical data

Article image	Article number	Description	Product features
	88A2=P	Trial prosthesis for “Basic”, “Classic” and “Natural”	• Trial prosthesis made of Chlorosil and Pastasil • Permits compression and finger positioning to be adjusted within the four-week trial fitting period • Serves as a template for the definitive prosthesis
	88A2=HF	Silicone partial hand prosthesis “Basic”	• Custom socket design • Anatomical shape • Silicone partial hand prosthesis in one colour • Silicone fingernails in one colour
	88A2=HS	Silicone partial hand prosthesis “Classic”	• Custom socket design • Custom anatomical shape • Two to three individual skin tones, matching the contralateral side • Anatomical surface structure • Custom nail design
	88A2=F	Silicone partial hand prosthesis “Natural”	• Custom socket design • Custom anatomical shape • Six to eight individual skin tones, matching the contralateral side • Anatomical surface structure • Custom multi-coloured nail design

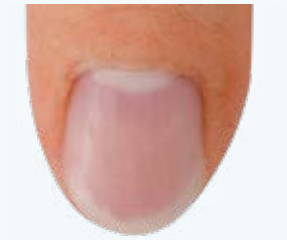
- For the “Natural” variant, the patient must visit an Ottobock Competence Center. Prior to final finishing, a follow-up appointment can also take place in order to optimise the aesthetic appearance.

Customised products from Ottobock iFab

Ottobock iFab is an extended workbench that serves as your reliable partner for the centralised fabrication of custom devices in orthotics and prosthetics in the era of digital transformation.

For information about iFab products, or if you have questions or comments, please contact us: ifab@ottobock.com

Ordering options for 88A2

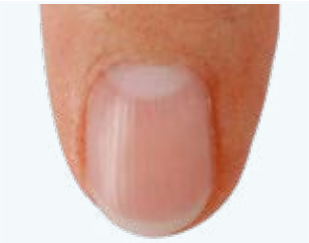


88A2=S **Multicoloured silicone nails for “Classic” and “Natural”**

Silicone nails for silicone partial hand prosthesis

Technical data

Article number
88A2=S



88A2=A **Multicoloured acrylic nails for “Classic” and “Natural”**

Acrylic nails for partial hand prostheses

Technical data

Article number
88A2=A

88A20=H **Hair**

Implementation of real hair as on the contralateral side is possible on request, matching the colour, length, shape and thickness.

Technical data

Article number
88A20=H

88A20=T **Tattoo for silicone prostheses**

Implementation of special requests, such as applying a tattoo.

Technical data

Article number
88A20=T

Accessories/spare parts for 88A2

89D4/89D5 **Colour determination ring**

Colour determination ring for custom prostheses and silicone covers.

Key features

- The colour determination ring helps you determine your patient’s skin colour

Technical data

Article number	Type
89D4	28 colors
89D5	68 colors

ottobock.

Silicone partial hand prosthesis.
iFab Ordering process.

1 As the orthopaedic technician, you are responsible for determining the shape and colour as well as ordering the prosthesis:

The shape includes:
- Measuring the patient's residual limb
- Completing the measurement form
- Taking informative photos of the left and right hand
- Making an impresil negative of the contralateral side including MCP and neighboring fingers.

Depending on the prosthesis version, determine the colour using the colour sheet (647F285=GB) and the colour ring (89D4).

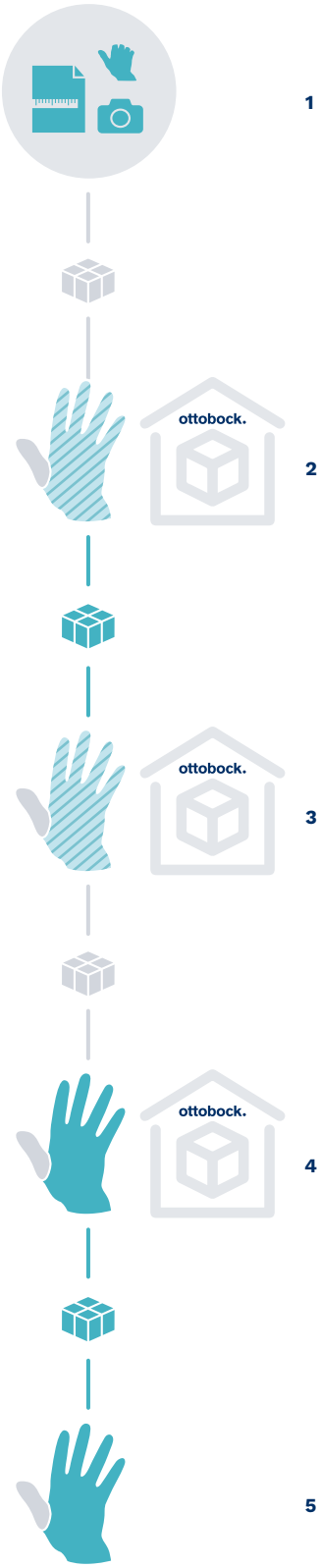
The order forms must be fully completed before placing the order.

2 Ottobock iFab will fabricate the trial prosthesis according to your specifications and ship it within 10 working days.

3 You as the orthopaedic technician can provide your patient with the trial prosthesis for approximately 4 weeks for testing. **If required, you modify the trial prosthesis yourself, please create a photo documentation with worn trial prosthesis.** After the test phase, please return the trial prosthesis to Ottobock iFab.

4 Ottobock iFab will fabricate the definitive prosthesis accordning to your specifications and ship it within 15 working days.

5 When the definitive prosthesis is received, you can fit your patient with a functional and aesthetically appealing silicone partial hand prosthesis.



Instructions for determining the colour can be found on Ottobock's YouTube channel: Custom silicone products – Colour determination

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Silicone partial hand prosthesis.
iFab Order form.

Contact person | Customer no. | Date

Patient ID | Order number

Customer

Company
Street
Postal code | City
Email
Patient ID

Shipping address (if different from customer address)

Company
Street
Postal code | City
Customer order number

Age: .....

Gender ○ Female ○ Male

Affected side ○ Left ○ Right

Configuration

- ○ **88A2=P** Trial prosthesis
- ○ **88A2=HF** Definitive prosthesis “Basic”
- ○ **88A2=HS** Definitive prosthesis “Classic”
- ○ **88A2=F** Definitive prosthesis “Natural”
- ○ Silicone fingernails (unicoloured)
- ○ **88A2=S** Silicone fingernails (multicoloured)
- ○ **88A2=A** Acrylic fingernails (multicoloured)
- ○ Polish acrylic nails (unicoloured)
- ○ Hair made from real hair
- ○ **88A20=T** Tattoo (Implementation of special requests)

Supplied are

- ○ Colour determination as per colour determination sheet
- ○ Photos of the affected and contralateral side
- ○ Casting

Case history

Finger joints:
- ○ Free moving
- ○ Limited motion

Bone end:
- ○ Wide
- ○ Pointed

Diagnosis

- ○ Accident
- ○ Dysmelia
- ○ Other .....
- ○ Arm length differences
- ○ Accompanying disease

Affected Fingers

Left hand: ○ I ○ II ○ III ○ IV ○ V

Right hand: ○ I ○ II ○ III ○ IV ○ V

Comments: .....

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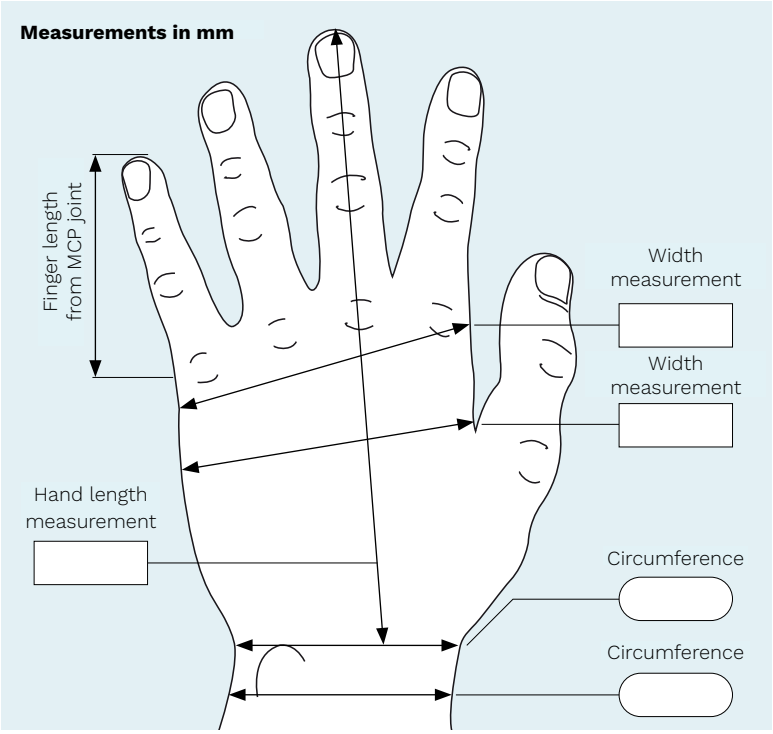
Silicone partial hand prosthesis.
iFab Measurement form.

Contact person	Customer no.	Date
Patient ID	Order number	

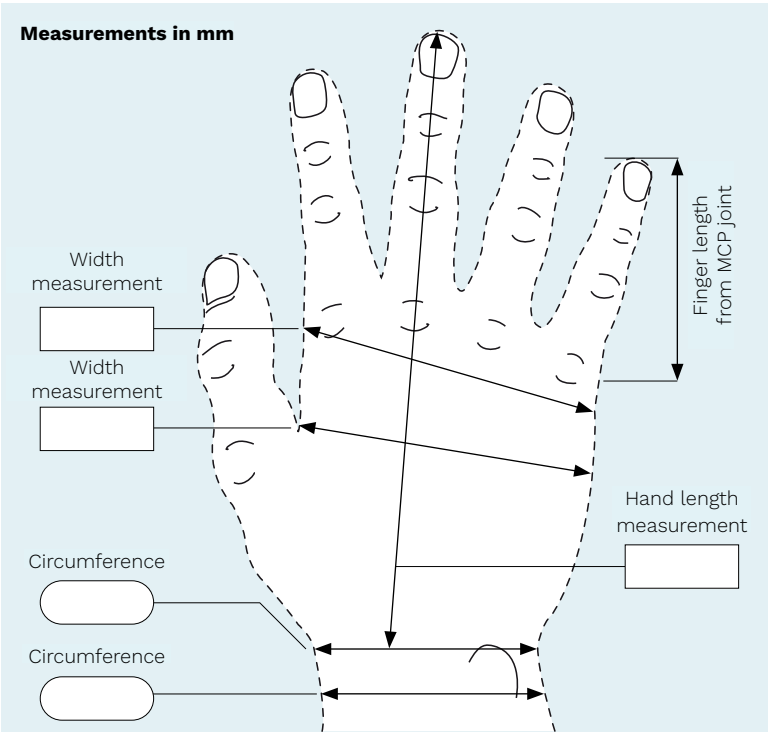


Measurement form contralateral side

Please mark the circumferences of the contralateral side. Take the finger length measurements from the highest point of the MCP joint to the fingertip in a relaxed, functional position.

Finger measurements (mm)

D	I	II	III	IV	V
DIP (circumference)					
PIP-DIP (circumference)					
MCP-PIP (circumference)					
Finger length from MCP joint					



Measurement form amputated side

! Please mark the **course of the amputation** on the sketch on the left or freehand on the back with corresponding circumference/ length measurements.

Finger measurements (mm)

D	I	II	III	IV	V
DIP (circumference)					
PIP-DIP (circumference)					
MCP-PIP (circumference)					
Finger length from MCP joint					

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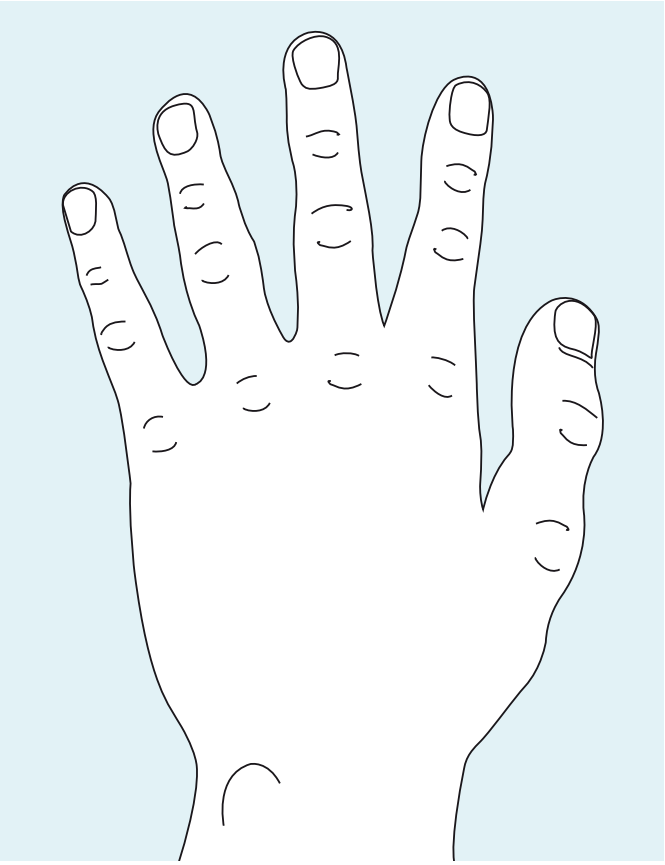
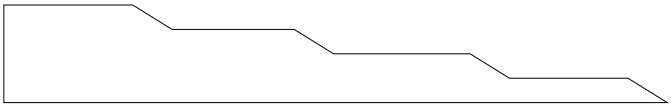
Silicone partial hand prosthesis.
iFab Colour determination sheet.

Contact person	Customer no.	Date
Patient ID	Order number	



Colour sample – colour strength

Use pen to mark skin colours on the sketch



IV **III*** **II** **I**

Pen	Colour sample	Colour strength
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Model blood vessels ○ Yes ○ No

*Use thickness III for the primer.

Nails

○ Acrylic
○ Silicone

Nail length

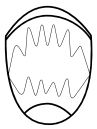
○ Like photo

○ ..... mm longer

Nail shape

○ ○

Colour



Nail tip	
Distal edge	
Central	
Proximal edge	
Moon	

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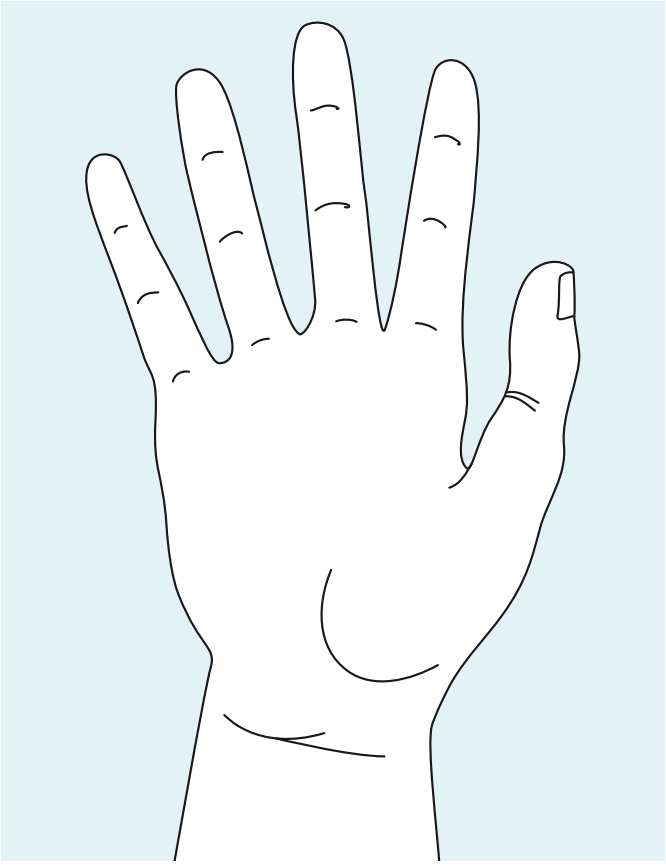
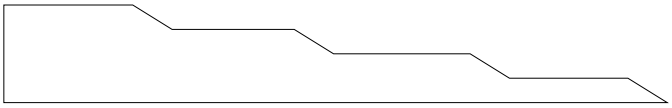
Silicone partial hand prosthesis.
iFab Colour determination sheet.

Contact person	Customer no.	Date
Patient ID	Order number	



Colour sample – colour strength

Use pen to mark skin colours on the sketch



IV **III*** **II** **I**

Pen	Colour sample	Colour strength
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

*Use thickness III for the primer.

Comments: .....

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Information material

646A259=GB	Information for technicians – custom silicone partial hand and finger prostheses
646T3=1.1GB	Technical information Impression taking and measurement technique Custom silicone partial hand and finger prostheses
647F668=EN_INT	Order form | Silicone finger prosthesis
647G542	Instructions for use (patient) | Customised silicone finger and partial hand prosthesis
647F285=GB	Technician brochure | Colour determination

88A1 **Custom silicone finger prostheses**

The custom designed silicone finger prosthesis, which is matched to the hand of your patient, offers a high level of functional benefits, such as counter-support for grasping objects, good finger grip for handling coins or using a keyboard and controls in everyday life. The silicone finger prosthesis is secured to the residual limb without inconvenient closures.

Key features

- Anatomical, customised restoration of the outer appearance
- Very comfortable
- Easy to clean with pH-neutral soap and water
- Skin-friendly medical-grade silicone

Technical data

Article image	Article number	Description	Product features
	88A1=P	Trial finger for “Basic”, “Classic” and “Natural”	· Serves as a template for the definitive prosthesis
	88A1=FF	Silicone finger prosthesis “Basic”	· Custom socket design · Anatomical shape · Single-colour silicone finger · Single-colour silicone fingernail · Little surface structure
	88A1=FS	Silicone finger prosthesis “ Classic”	· Custom socket design · Custom anatomical shape · Two to three individual skin tones, matching the contralateral side · Anatomical surface structure · Custom nail design
	88A1	Silicone finger prosthesis “Natural”	· Custom socket design · Custom anatomical shape · Six to eight individual skin tones, matching the contralateral side · Anatomical surface structure · Custom multi-coloured nail design

· For the “Natural” variant, the patient must visit an Ottobock Competence Center. Prior to final finishing, a follow-up appointment can also take place in order to optimise the aesthetic appearance.

Customised products from Ottobock iFab

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Ordering options for 88A1

88A2 **Metacarpus fixation silicone finger prosthesis**

The metacarpus fixation is used when the length of the residual limb is not sufficient for a single finger fitting.

Technical data

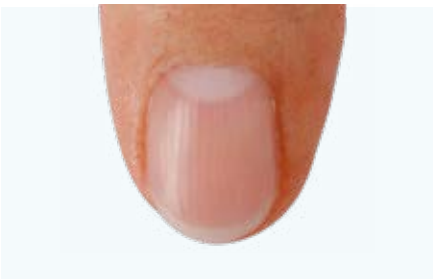
Article number	Description
88A2=M-HF	Metacarpus fixation “Basic” finger prosthesis
88A2=M-HS	Metacarpus fixation “Classic” finger prosthesis
88A2=M-F	Metacarpus fixation “Natural” finger prosthesis

88A1=S **Multicoloured silicone nails for “Classic” and “Natural”**

Multi-coloured silicone nail for silicone finger prostheses

Technical data

Article number
88A1=S

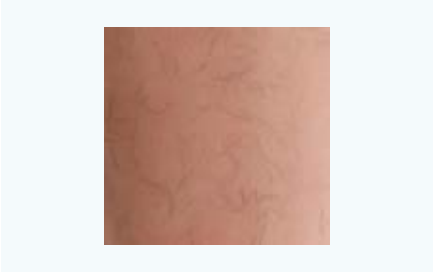


88A1=A **Multicoloured acrylic nails for “Classic” and “Natural”**

Acrylic nail for silicone finger prosthesis

Technical data

Article number
88A1=A



88A20=H **Hair**

Implementation of real hair as on the contralateral side is possible on request, matching the colour, length, shape and thickness.

Technical data

Article number
88A20=H

88A20=T **Tattoo for silicone prostheses**

Implementation of special requests, such as applying a tattoo.

Technical data

Article number
88A20=T

Accessories/spare parts for 88A1

89D4/89D5 **Colour determination ring**

Colour determination ring for custom prostheses and silicone covers.

Key features

- The colour determination ring helps you determine your patient’s skin colour

Technical data

Article number	Type
89D4	28 colors
89D5	68 colors

ottobock.

Silicone finger prosthesis.
iFab Ordering process.

1 As the orthopaedic technician, you are responsible for determining the shape and colour as well as ordering the prosthesis:

The shape includes:
- Measuring the patient's residual limb
- Completing the measurement form
- Taking informative photos of the left and right hand
- Making an Impresil negative of the affected and the contralateral sides

Depending on the prosthesis version, determine the colour using the colour sheet (647F285=GB) and the colour ring (89D4).

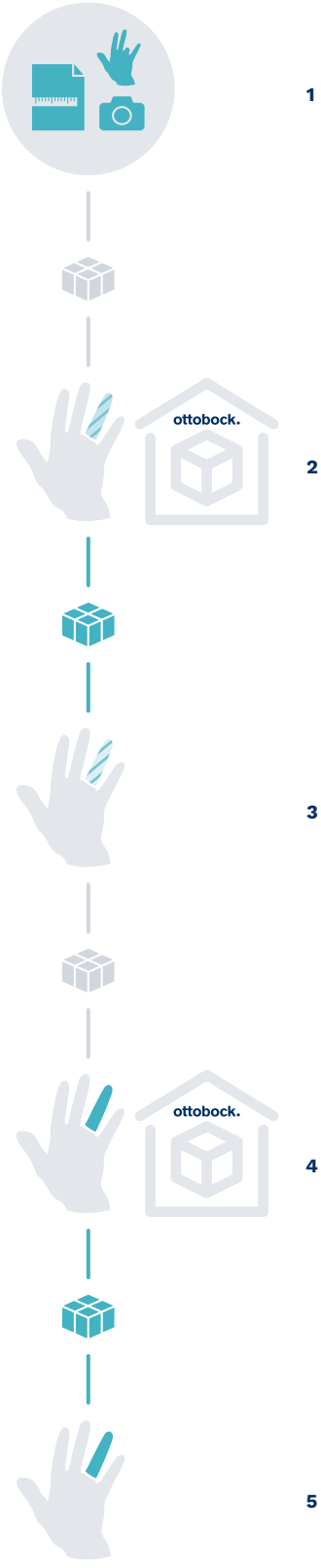
The order forms must be fully completed before placing the order.

2 Ottobock iFab will fabricate the trial prosthesis according to your specifications and ship it within 10 working days.

3 You as the prosthetist can provide the trial prosthesis to your patient for approximately 2 weeks for testing.
If required, you modify the trial prostheses yourself, please create a photo documentation with worn trial prosthesis. After the test phase, please return the trial prosthesis to Ottobock iFab.

4 Ottobock iFab will fabricate the definitive prosthesis according to your specifications and ship it within 15 working days.

5 When the definitive prosthesis is received, you can fit your patient with a functional and aesthetically appealing silicone finger prosthesis.



Instructions for determining the colour can be found on Ottobock's YouTube channel: Custom silicone products – Colour determination

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Silicone finger prosthesis.
iFab Order form.

Contact person | Customer no. | Date

Patient ID | Order number

Customer

Company

Street

Postal code | City

Email

Shipping address (if different from customer address)

Company

Street

Postal code | City

Customer order number

Age: .....

Gender ○ Female ○ Male

Affected side ○ Left ○ Right

Configuration

- ○ **88A1=P** Trial prosthesis
- ○ **88A2=P** Trial prosthesis for metacarpus fixation
- ○ **88A1=FF** Definitive prosthesis „Basic“
- ○ **88A2=M-HF** Metacarpus fixation „Basic“
- ○ **88A1=FS** Definitive prosthesis „Classic“
- ○ **88A2=M-HS** Metacarpus fixation „Classic“
- ○ **88A1** Definitive prosthesis „Natural“
- ○ **88A2=M-F** Metacarpus fixation „Natural“
- ○ Single-colour silicone fingernail
- ○ **88A1=S** Multicoloured silicone nails
- ○ **88A1=A** Multicoloured acrylic nails
- ○ **88A1=NP** Polish acrylic nails (unicoloured)
- ○ Hair made from real hair
- ○ **88A20=T** Tattoo (Implementation of special requests)

Supplied are

- ○ Photos of the affected and contralateral side
- ○ Colour determination sheet for silicone products
- ○ Casting

Case history

Finger joints:
- ○ Free moving
- ○ Limited motion
- ○ Condyles existent
- ○ Condyles non-existent

Bone end:
- ○ Wide
- ○ Pointed

Diagnosis

- ○ Accident
- ○ Dysmelia
- ○ Other .....
- ○ Arm length differences
- ○ Accompanying disease

Affected Fingers

Left hand: ○ I ○ II ○ III ○ IV ○ V

Right hand: ○ I ○ II ○ III ○ IV ○ V

Comments: .....

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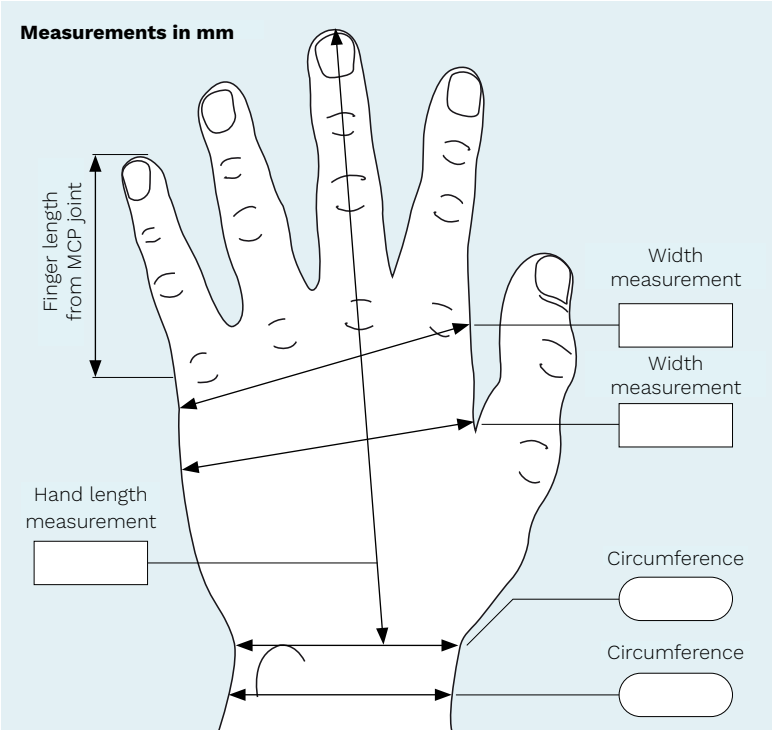
Silicone finger prosthesis.
iFab Measurement form.

Contact person	Customer no.	Date
Patient ID	Order number	

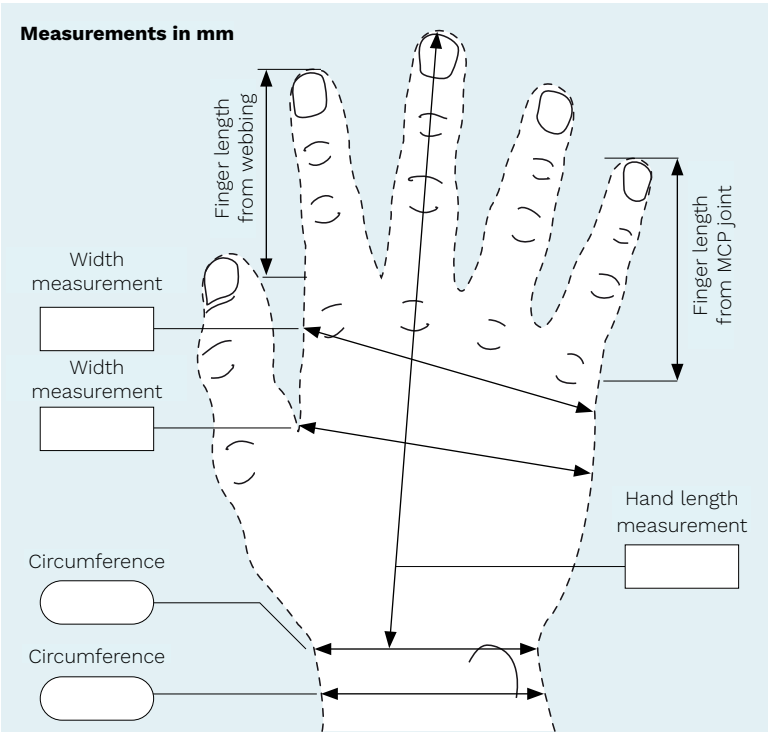


Measurement form contralateral side

Please mark the circumferences of the contralateral side. Take the finger length measurements from the highest point of the MCP joint to the fingertip in a relaxed, functional position.

Finger measurements (mm)

D	I	II	III	IV	V
DIP (circumference)					
PIP-DIP (circumference)					
MCP-PIP (circumference)					
Finger length from webbing					
Finger length from MCP joint					



Measurement form amputated side

Please mark the **course of the amputation** onthe sketch on the left or freehand on the back with corresponding circumference/ length measurements.

Finger measurements (mm)

D	I	II	III	IV	V
DIP (circumference)					
PIP-DIP (circumference)					
MCP-PIP (circumference)					
Finger length from webbing					
Finger length from MCP joint					

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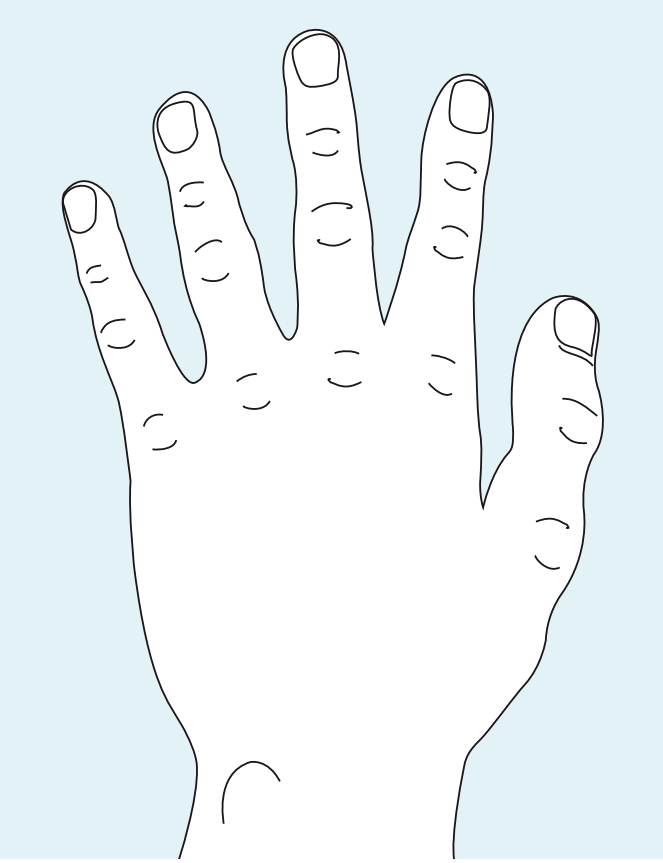
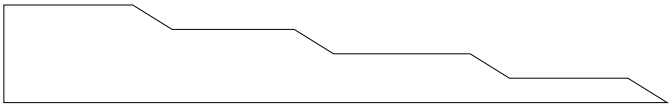
Silicone finger prosthesis.
iFab Colour determination sheet.

Contact person	Customer no.	Date
Patient ID	Order number	



Colour sample – colour strength

Use pen to mark skin colours on the sketch



IV **III*** **II** **I**

Pen	Colour sample	Colour strength
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

*Use thickness III for the primer.

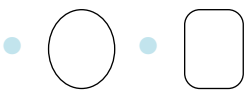
Nails

- Acrylic
- Silicone

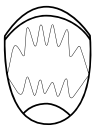
Nail length

- Like photo
- ..... mm longer

Nail shape



Colour



Nail tip	
Distal edge	
Central	
Proximal edge	
Moon	

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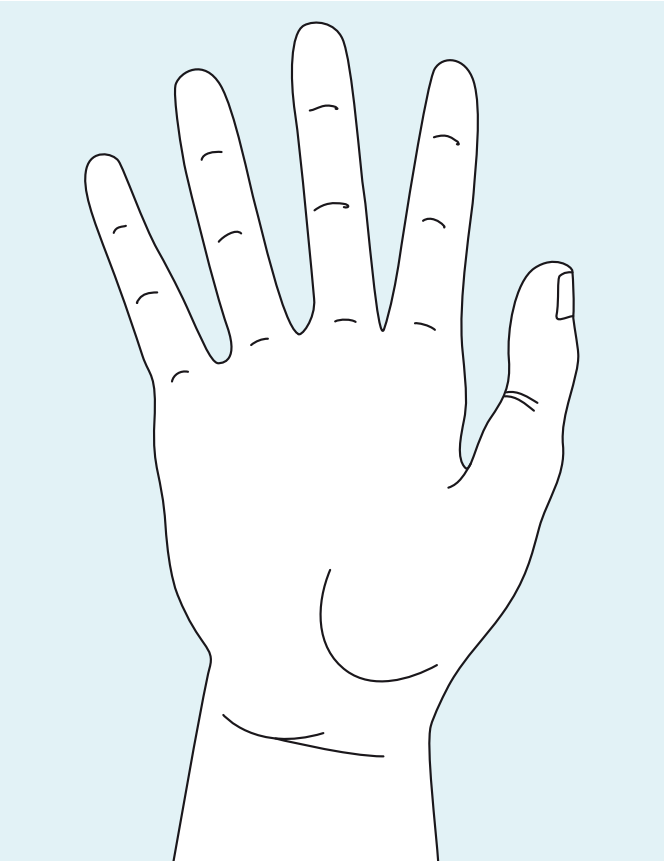
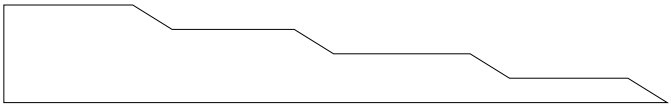
Silicone finger prosthesis.
iFab Colour determination sheet.

Contact person	Customer no.	Date
Patient ID	Order number	



Colour sample – colour strength

Use pen to mark skin colours on the sketch



IV **III*** **II** **I**

Pen	Colour sample	Colour strength
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

*Use thickness III for the primer.

Comments: .....

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Special tools and devices

In order to simplify the alignment of arm prostheses, we also supply appropriate tools and specific devices.

On the following pages you will find

- Special tools
- Device(s)

Visit www.ottobock.com to obtain up-to-date product information at any time.

709S10 **Allen key**

L-form shaft - optimum blade stock lengths. Maximum hardness with exceptional toughness due to special alloy. Surface chrome-plated over nickel.

Technical data

Article number	Side length	Wrench size	Weight	Material
709S10=1.5	46.5 x 15.5 mm	1.5 mm	0.002 kg	CV steel
709S10=2	52 x 19 mm	2 mm	0.002 kg	CV steel
709S10=2.5	57 x 20 mm	2.5 mm	0.003 kg	CV steel
709S10=3	65 x 24 mm	3 mm	0.005 kg	CV steel
709S10=4	70 x 28 mm	4 mm	0,01 kg	CV steel
709S10=5	84 x 32 mm	5 mm	0.02 kg	CV steel
709S10=6	100 x 40 mm	6 mm	0.03 kg	CV steel
709S10=8	105 x 45 mm	8 mm	0,06 kg	CV steel
709S10=10	112 x 50 mm	10 mm	0.12 kg	CV steel
709S10=12	135 x 60 mm	12 mm	0.17 kg	CV steel

711M18 **Mounting wrench**

The mounting wrench is used to accurately tighten the 11S2 locking unit and to loosen disengaged ball bearings.

Technical data

Article number
711M18

711M53 **Deep-drawing tool**

For arm prostheses.
Vacuum forming tool for arm prostheses with an exterior diameter of 260 mm.

Technical data

Article number	Outside Ø	Inner Ø
711M53	260 mm	250 mm

726W9 **Conical drill bit**

With sharp drill point, pre-drilling not necessary. Conically increasing cutting edges and radially relief ground circumference for a paring cut. With scale in the flutes. Three drive flats on the shank. Leaves no burr or chatter marks. Sheet metal: 0.1–2 mm, V2A: 0.1–1 mm, non-ferrous metals: 0.1–5 mm, plastics: up to 10 mm.

Technical data

Article number	Socket Ø	Diameter	Weight	Material
726W9=14	6 mm	14 mm	0.021 kg	HSS
726W9=20	8 mm	20 mm	0.052 kg	HSS
726W9=30	9 mm	30 mm	0.109 kg	HSS

743A19 **Alignment tool**

Alignment tool suitable for lamination rings (art. no. 10S16) for Electric Hand 2000 (art. no. 8E51).

Technical data

Article number	Thread	Diameter	Length
743A19	M8	12 mm	169 mm

743A18 **Alignment tool for adult component**

Alignment tool for adult component with an M8 thread (diameter: 12 mm, length: 280 mm).

Technical data

Article number	Diameter	Length
743A18	12 mm	280 mm

- When ordering spare parts, please specify the diameter (corresponds to the exterior diameter of the 10S1 lamination ring).

11S12 **Socket attachment piece**

Socket attachment piece for fastening the 743Y41 alignment rod and for aligning an upper limb prosthesis.

Technical data

Article number
11S12

640Z6 **Work mat**

Work mat (black) for equipping a workstation in upper limb prosthetics.

Technical data

Article number	Width
640Z6	530 mm

706R5 **Universal pliers**

The universal pliers have serrated, ridged, induction hardened gripping jaws. Black atramentised pliers with a polished head, plastic-coated handles. The clamping pressure acts only on the multi-adjustable grooved slip joint. This prevents slipping and wearing of the screws.

Technical data

Article number	Version	Length	Material	Weight
706R5	PVC-coated handles, with grooved joint, polished head	250 mm	CV electric steel	0,32 kg

706Z6 **High-leverage snips**

The high-leverage side cutting pliers are suitable for cutting heavy or hard wire. The shanks are coated with PVC and the material is special tool steel.

Technical data

Article number	Version	Length	Max. wire Ø	Weight
706Z6=160	PVC-coated handles	160 mm	1.6 mm	0,17 kg

706F3 **Flat nose pliers**

Technical data

Article number	Version	Length	Weight
706F3=140	PVC-coated handles, polished head	140 mm	0.14 kg

799P1 **Tweezers**

The tweezers have an overall length of 120 mm.

Technical data

Article number	Length
799P1	120 mm

799P2 **Tweezers**

Tweezers, self-locking.

Technical data

Article number	Length
799P2	155 mm

706Z10 **Pliers**

Pliers for screwing the 8E39 System Electric Hands to the corresponding lamination ring. May also be used to loosen disengaged ball bearings in the quick-disconnect wrist unit.

Technical data

Article number
706Z10

710H20 **Slotted screwdriver**

Forged blades, the tips are precisely manufactured to the standard sizes of slot-head screws. Kraftform handle made of impact-resistant plastic with integrated soft zones facilitates torque transmission and thus protects the hand and arm. Blade made of high-alloy special steel.

Technical data

Article number	Version	Blade width	Blade length
710H20=3	**Blade:** Round blade, Lasertip point **Handle:** Kraftform handle, hexagon roll protection	3 mm	80 mm
710H20=4	**Blade:** Round blade, Lasertip point **Handle:** Kraftform handle, hexagon roll protection	4 mm	100 mm
710H20=5	**Blade:** Round blade, Lasertip point **Handle:** Kraftform handle, hexagon roll protection	5 mm	100 mm
710H20=6	**Blade:** Round blade, Lasertip point **Handle:** Kraftform handle, hexagon roll protection	6 mm	125 mm
710H20=7	**Blade:** Round blade, Lasertip point **Handle:** Kraftform handle, hexagon roll protection	7 mm	150 mm
710H20=8	**Blade:** Round blade, Lasertip point **Handle:** Kraftform handle, hexagon roll protection	8 mm	175 mm
710H20=10	**Blade:** Round blade, Lasertip point **Handle:** Kraftform handle, hexagon roll protection	10 mm	200 mm

- Article 710H20=3 does not have a laser tip point.

711M2 **Mounting plate**

The mounting plate is used to screw the assembly tool (article number 711M1) to the work-bench.

Technical data

Article number
711M2

711M1 **Assembly tool**

Assembly tool to hold the Michelangelo hand as well as the System Electric Hand. The one side with the exterior thread (article number M12X1.5) for prosthetic hands and the other side with interior thread (article number M12X1.5) for System Electric Hands and the Michelangelo hand.

Technical data

Article number
711M1

711M3 **Mounting tool**

Mounting tool to hold the System Electric Hand with quick-disconnect wrist unit.

Technical data

Article number
711M3

711M64 **Mounting adapter for Michelangelo**

The mounting adapter is essential for the correct application of the AxonSkin glove in order to protect the mechanism of the Michelangelo hand and for easier handling by the technician.

Technical data

Article number
711M64

711M7 **Mounting aid**

Mounting aid for attaching the 8E39 System Electric Hands to the 711M1 mounting tool. Makes putting on and removing the inner hand and prosthetic glove easier.

Technical data

Article number
711M7

711M16 **Mounting tool**

Mounting tool for inserting the 10S17 electric rotator or the 10S4 coupling piece into the 10S1 lamination ring.

Technical data

Article number
711M16

711M12 **Soldering jig**

Soldering jig for soldering the 9E167 cable connector to the coaxial bushing or the hand cable and for soldering the bushing plug to the motor.

Technical data

Article number
711M12

718H5 **Deburring knife**

The deburring knife features an extremely sharp blade that is easy to replace.

Technical data

Article number	for	Length	Weight
718H5	Plastics	160 mm	0,05 kg

718Y130 **Replacement blade**

Replacement blades for 718H5 deburring knives in the replacement blade dispenser for safe storage and removal.

Technical data

Article number	for	Package contents	Weight
718Y130	718H5 Deburring knife	100 piece(s)	0,01 kg

743F1 **Pinch gauge**

The pinch gauge is used to check the gripping force of System Electric Hands.

Technical data

Article number
743F1

633F11 **Silicone grease 400, medium**

- As corrosion protection for plug connections, e.g. Myo, E-MAG Active (cable connectors)
- As corrosion protection, e.g. for drive units
- For the planetary gear train of the drive unit in upper limb prosthetics
- For isolating components in the lamination technique
- Very good resistance to heat and cold
- High resistance to ageing
- Good film forming capacity

Technical data

Article image	Article number	Net contents	Packaging
	633F11	0.1 kg	Tube
	633F11=1	1 kg	Can

633F14 **Special lubricant**

- For gliding surfaces and frictional contacts that are subject to high loads and simultaneously require “non-contaminating” lubrication, particularly at low to medium speeds
- For all accessible gear wheels and axes in System Electric Hands and System Electric Greifers
- Good water resistance
- High load-bearing capacity
- Excellent protection against wear and tear
- Good corrosion protection

Technical data

Article image	Article number	Net contents	Packaging
	633F14=0.050	0.05 kg	Tube
	633F14=1	1 kg	Can

633S2 **Procomfort gel**

- For Polytol sockets
- Creamy consistency
- Prevents static friction on the skin

Technical data

Article number	Net contents
633S2	250 ml

634A58 **Isopropyl alcohol**

- For cleaning sensitive plastics such as PVC, PS and acrylic
- Cleaning agent, among other things for Ottobock prosthetic gloves and for degreasing
- For removing permanent markings
- Basis: dimethyl carbinol, 2-hydroxypropane, 2-propanol
- Chemically pure

Flam. Liq. 2
Eye Irrit. 2
drowsiness STOT SE 3

Technical data

Article number	Net contents	Colour
634A58	1 l	Transparent

Information material

646F297=GB	Adhesives, putties, varnishes and thinners poster

636W23 **UHU Plus glue**

- For strong bonded joints
- Two-component adhesive
- Basis: epoxy resin (binder), aliphatic amines (hardener)
- Varying the amount of hardener results in a harder or softer end product (normal mixing ratio 1:1 by volume, that is strands of equal length from the tubes)
- Also hardens under the exclusion of air

Technical data

Article number	Net contents	Colour
636W23	18 g binder and 15 g hardener	Honey coloured

The higher the curing temperature (up to approximately +180 °C), the higher the strength of the adhesion.

Information material

646F297=GB	Adhesives, putties, varnishes and thinners poster

636W60 **Loctite® 243**

- As thread lock for the Electric Hand up to M36 thread
- Also cures on brass
- Medium strength
- Easy dosing
- Anaerobic curing adhesive
- High temperature and oil resistance

Technical data

Article number	Net contents
636W60	50 ml

Can be activated and loosened by applying heat.

Loctite® is a registered trademark of Loctite.

636K11 **Cyamet quick-drying adhesive (superglue)**

- For various applications
- Possible material combinations that can be bonded among each other: polyethylene, polypropylene, rubber, leather, cork and metal
- For bonding silicone rubber with acrylic resin laminates
- Basis: ethyl
- Short curing time
- Moisture speeds up curing
- High mechanical strength

Information material

646F297=GB	Adhesives, putties, varnishes and thinners poster

Technical data

Article number	Net contents	Colour
636K11	20 g	Transparent

636K13 **Loctite® 241**

- As thread lock up to M12 thread
- Medium strength
- Easy dosing
- Anaerobic curing adhesive

Technical data

Article number	Net contents	Colour
636K13	50 ml	Blue

Can be activated and loosened by applying heat.

Loctite® is a registered trademark of Loctite.

636K14 **Loctite® 601**

- As thread lock up to M12 thread
- High strength
- Easy dosing
- Anaerobic curing adhesive

Technical data

Article number	Net contents	Colour
636K14	50 ml	Green

Can be activated and loosened by applying heat.

Loctite® is a registered trademark of Loctite.

640F12 **Special cleaner**

In case of heavy soiling, the special cleaner for prosthetic gloves should be applied immediately.

Technical data

Article number	for	Contents
640F12	Prosthetic gloves	460 g

- Special cleaner (640F12) should not be used on silicone gloves.

640F13 **Pump sprayer**

The user should always keep a pump sprayer filled with special cleaner for prosthetic gloves handy in order to be able to use the cleaner immediately in case of soiling.

Technical data

Article number	for	Contents
640F13	640F12 Special cleaner	90 g

- This container is empty on delivery!

9E161 **Screw cap**

Screw cap for retaining the transmission in the gear housing.

Technical data

Article number
9E161

641T10 **Plaster shirt**

- Device to protect the body during plastering
- For upper arm residual limbs and shoulder disarticulation
- 88% polyamide and 12% spandex
- Prevents skin stressing
- Suitable for surfaces

Technical data

Article number	Size	Length	Width
641T10=M	M	665 mm	370 mm

641T9 **Plaster sock**

- Device to protect the body during plastering
- For forearm fittings
- 88% polyamide and 12% spandex
- Prevents skin stressing
- Suitable for surfaces

Technical data

Article number	Size	Length	Width
641T9=M	M	350 mm	75 mm

1-10

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