



ottobock.

bebionic<sup>®</sup>

The world's most lifelike  
bionic hand

Quality for life

Information for users

“I like having this part of me every day that allows me to do and be the person I want to be, and this is how I embrace the everyday.”



## Angel

Angel Giuffria, leading lady and trailblazer, embraces her everyday with enthusiasm. Angel, an actress, and congenital amputee was born to perform on stage and in front of the camera. However, during her youth, she struggled with concern that her limb difference would hold her back from success.



Angel's bebionic hand features 14 available grip patterns and hand positions. It also has individual finger motors. The hand gives Angel beautiful aesthetics and precise function—as well as the freedom to live her everyday life with confidence.

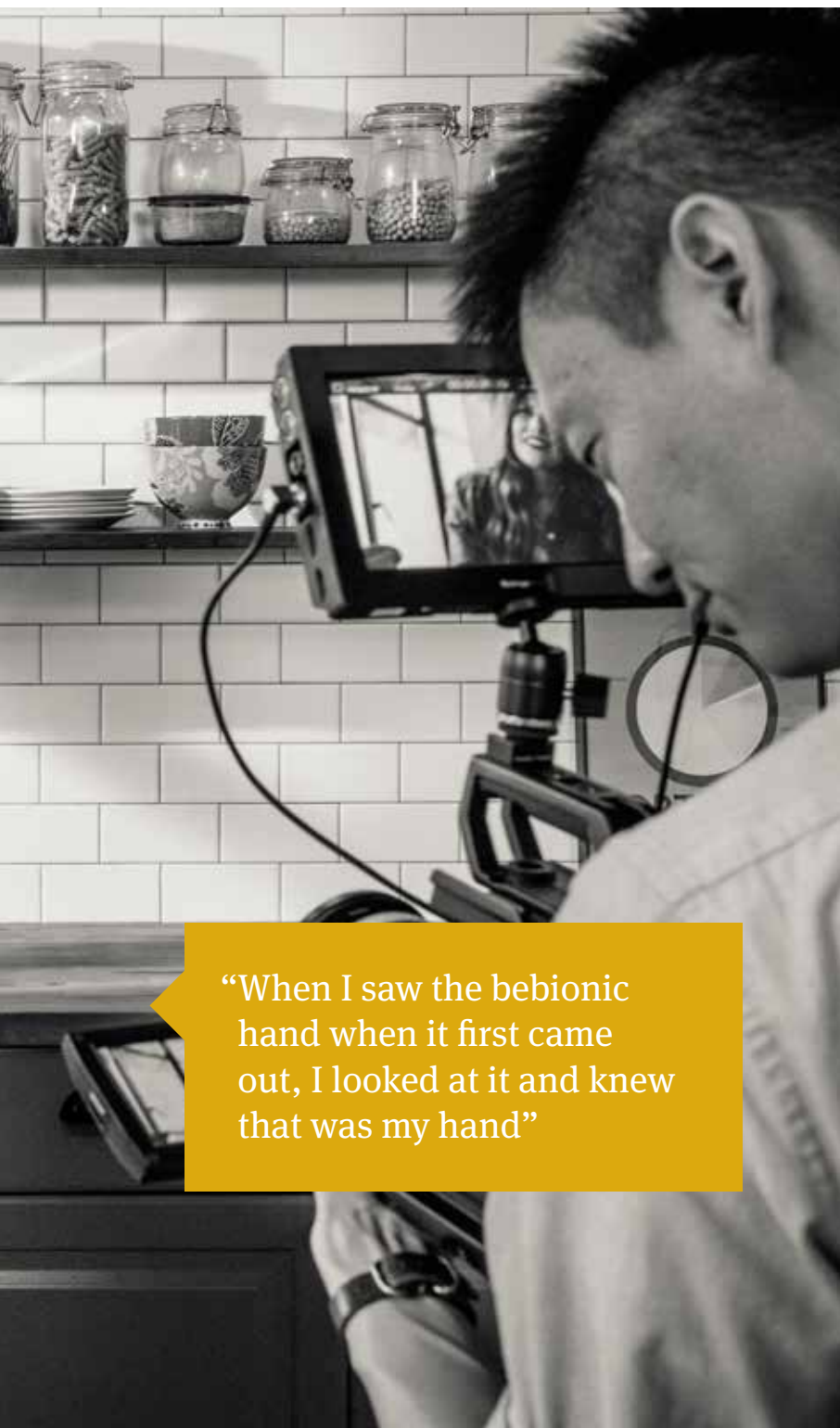


# Angel lives to embrace the everyday

Angel has worn many cosmetic and myoelectric prosthetic hands throughout her life. However, it wasn't until she was fitted with the bebionic small hand that she felt she found the perfect prosthesis for her lifestyle.

Angel enjoys the opportunity to travel and speak about prosthetics advancements, making her a wonderful mentor for young people with limb differences.





“When I saw the bebionic hand when it first came out, I looked at it and knew that was my hand”



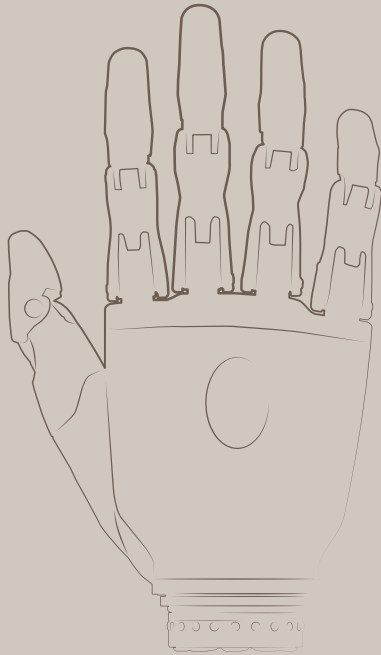
### Angel is satisfied

The first time that Angel used bebionic, she was amazed at the way it worked. The control strategy was much easier to use than anything she had tried before, and she could quickly get into the grip that she wanted when she wanted it.









# bebionic® – sophisticated technology and design

The bebionic pushes the boundaries of multi-articulating myoelectric hands. Advanced technology and innovative design have been combined to create a comfortable, precise, and intuitive myoelectric hand. You and users around the world can perform better with the bebionic, the most lifelike and easy-to-use of its kind. This sophisticated hand offers you a wide range of wrist options, sizes and technical features such as individual motors in each finger, proportional speed control, selectable thumb positions, and 14 different grip patterns.



▶ small (black and white)



▶ medium



▶ large

▶ opposed



▶ non-opposed



# 14 grip patterns for optimized handling

The many functions of the bebionic hand give you the opportunity to move in a manner that's true to life. The bebionic hand provides 14 different grip patterns, allowing you to be more flexible in your day-to-day life. You can choose grip patterns between two selectable thumb positions – opposed and non-opposed.

## Grip patterns with opposed thumb

Eight grip patterns with the thumb in opposition to the fingers allow you to hold and manipulate objects in a more stable and precise manner.







## Power

This pattern enables you to hold round or cylindrical objects more easily and securely. You can hold a ball or a piece of fruit as well as bottles or the handles of home and garden utensils. Power grip also lets you shake hands.

## Active index

The active index grip offers the ideal finger position for typing or operating a spray bottle. It allows you to grasp the handle of an object with the middle, ring and little fingers and secure the grip with the thumb at the same time; the index finger will then close. You can control the index finger independently and position it accordingly.



## Pinch

Pinch pattern can be specifically applied to the fine manipulation of objects. To achieve pinch grip, please ask your O&P professional to manually reposition the thumb so that it only touches the index finger.



## Hook

Hook grip is ideal for carrying a shopping bag or a briefcase. You can achieve a hook grip either with the thumb in opposition and a partially closed power grip, or by closing the fingers from the relaxed hand position.



## Precision closed

You can use this type of grip in situations similar to precision open grip, but where extended fingers are obstructive, such as working at a desk. The middle, ring and little fingers first close into the palm; then the thumb moves to the midpoint of its range and pauses after which the index is active and under your control. To achieve precision closed grip, please ask your O&P professional to manually reposition the thumb so that it only touches the index finger.





## Finger adduction

The fingers of the bebionic hand move together naturally as they close. This allows you to more securely grip thin objects, such as cutlery or a toothbrush, between the fingers to achieve a new level of functionality. Finger adduction offers its greatest functionality with the hand in power grip. It also operates with the hand in key grip and pinch grip.



## Tripod

This type of grip allows you to pick up, hold and manipulate a variety of everyday objects such as car keys, coins, jar lids, and pens. As soon as you have opposed the thumb, you can close the hand into tripod grip and the thumb will meet with the index and middle fingers. Your ring and little fingers continue to close until they meet resistance or the close signal stops.

## Precision open

With precision open grip you can pick up and manipulate small objects when the thumb is in opposition. The index finger meets the static thumb. When you apply a close signal, the thumb closes to the midpoint of its range and pauses. The index is then active and under your control while the middle, ring and little fingers remain extended. To achieve precision open, please ask your O&P professional to manually reposition the thumb so that it only touches the index finger.



## Grip patterns with non-opposed thumb

The non-opposed thumb is parallel to the fingers of the hand. Six grip patterns allow you to type on a keyboard, use a mouse or carry and push objects.



## Open palm

Open palm is suitable for carrying a tray or a plate. You can fully open the hand to provide a flat palm when the thumb is in the non-opposed position.



## Finger point

Finger point allows you to type on a keypad and to press a bell or a button. With the thumb in the non-opposed setting, you can move to finger point position. The middle, ring, and little fingers close against the palm and the thumb moves against the middle finger.







## Mouse

Mouse grip enables you to operate a mouse. The thumb and little finger close to hold the side of the mouse, with the middle and ring fingers providing more stability. The index finger closes onto the mouse button and then backs off to provide the button press. You can achieve a mouse click with a close signal release and the mouse with an open signal.



## Column

You can use this grip as a way to push heavier objects or larger buttons and switches. It is also the recommended grip for dressing, as the thumb is kept out of the way. The column pattern moves the thumb into the palm from a non-opposed position. The fingers then close over the thumb to provide a fixed column.



## Key

This pattern is ideal for you if you want to carry a piece of paper or letter, use a spoon or hold a thin object such as a plate, a credit card or a key. In the non-opposed thumb position, the four fingers partially close. The thumb then closes onto the side of the index finger. You can then raise and lower the thumb position without moving the other four fingers, which allows you to release, capture or reposition the object being gripped.



## Relaxed hand

Relaxed hand pattern sets the thumb to the non-opposed position and partially drives it in towards the palm. All the fingers are driven to a slightly flexed position. By applying a further signal, you will drive the fingers into hook grip for a carrying position.

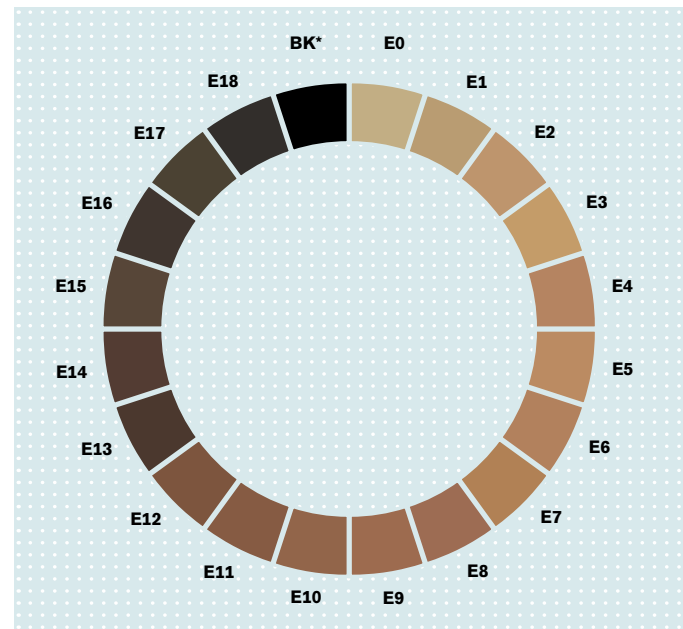


# bebionic® at a glance

Specifications	Small	Medium	Large
Tripod grip force	36.6 N	36.6 N	36.6 N
Key grip force	26.5 N	26.5 N	26.5 N
Time to open or close tripod grip	0.5 secs	0.5 secs	0.5 secs
Time to open or close – power grip	1.0 secs	1.0 secs	1.0 secs
Time to open or close – key grip	1.0 secs	1.0 secs	1.0 secs
Hand carry load (static)	45 kg (99 lb 3 oz)	45 kg (99 lb 3 oz)	45 kg (99 lb 3 oz)
Finger carry load (static)	25 kg (55 lb 3 oz)	25 kg (55 lb 3 oz)	25 kg (55 lb 3 oz)
Fingertip extension load	6 kg (13 lb 3 oz)	6 kg (13 lb 3 oz)	6 kg (13 lb 3 oz)
Vertical push down load (through knuckles)	90 kg (198 lb 6 oz)	90 kg (198 lb 6 oz)	90 kg (198 lb 6 oz)

## Standard glove

Crafted using multiple layers of advanced silicone material and constructed with an integrated reinforcing mesh, the bebionic standard gloves are soft and durable, while remaining easy to remove and clean.



\* Black colour only available for bebionic standard gloves.

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