

ottobock.

bebionic™

The world's most lifelike bionic hand



Quality for life



Unprecedented control

Angel Giuffria, leading lady and trailblazer, is a congenital amputee best known for her roles in *The Hunger Games: Mockingjay* and *The Accountant*. The first time she saw the bebionic hand, she knew it was her hand. Angel has worn many cosmetic and prosthetic hands throughout her life, but it wasn't until she was fitted with the bebionic small hand—featuring 14 available grip positions and two selective thumb positions—that she acquired a new level of confidence.

The culmination of years of development and collaboration with amputees at every stage has led to the creation of bebionic.

Ottobock offers complete upper-limb prosthetic solutions for every amputation level and every need. The bebionic prosthetic hand leverages pioneering technology and innovative design to provide one of the most lifelike and easy-to-use multi-articulating prosthetic hands available today.

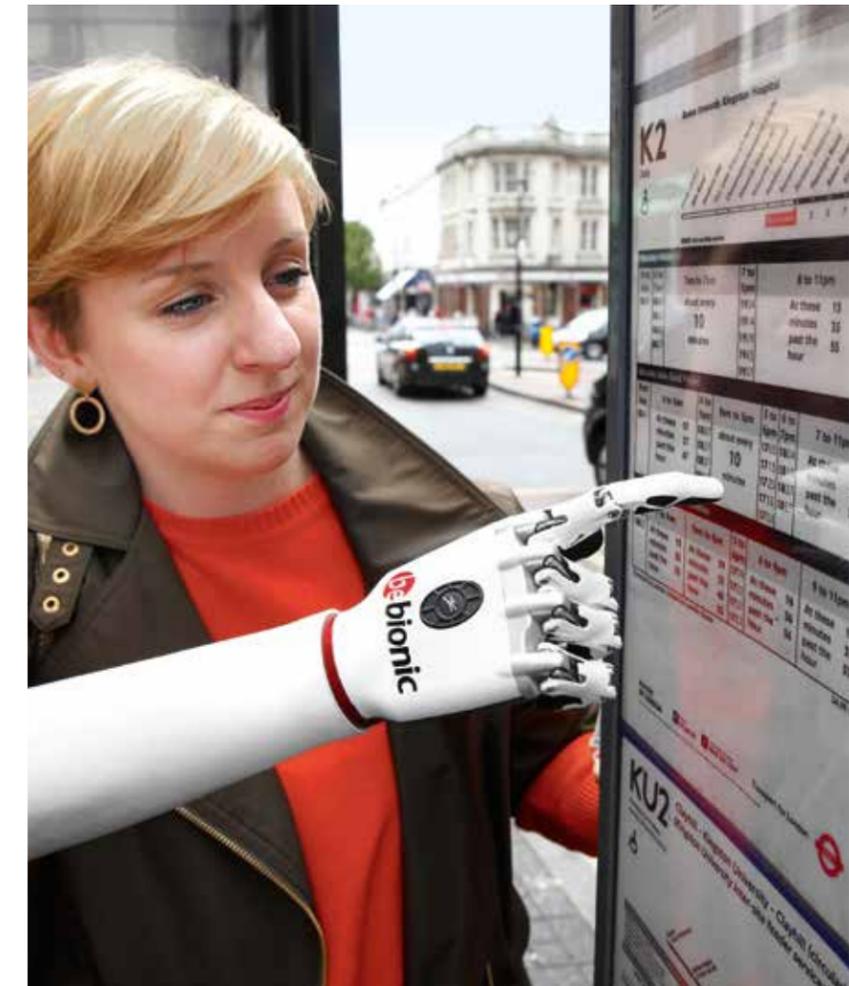
Comfortable, intuitive, and precise, the bebionic hand not only helps people with upper-limb loss perform tasks like typing, tying their shoelaces, and holding a newspaper, it also improves body position when doing things like driving or riding a bicycle.

Like all Ottobock prosthetic products, the bebionic hand comes with unparalleled service and support. We provide a 24-month warranty at no additional cost*, a 60-day satisfaction guarantee, and clinical and reimbursement support.

*For complete warranty details, check the product instruction manuals or contact the Ottobock Service department. Please contact them at 800 328 4058 (USA) 800 665 3327 (CA).

bebionic

Size options and grip patterns



Opposed



Non-opposed



The bebionic hand provides 14 different grip patterns, offering users a more complete device that assists them in their day-to-day lives. Plus, the innovative hand features two selectable thumb positions: opposed and non-opposed.

Opposed grips	Non-opposed grips
Tripod	Key grip
Power	Finger point
Finger adduction	Open palm
Hook	Column
Active index	Mouse grip
Pinch	Relaxed hand
Precision open	
Precision closed	

Wrist options

All bebionic hands are fitted with one of four wrist options to suit individual requirements. Available options include the EQD (Electric Quick Disconnect) wrist, a Short wrist to accommodate a long residual limb / wrist disarticulation as well as the Multi-flex and Flexion wrist, which allow an enhanced range of wrist motion.

1 EQD wrist

The EQD wrist allows the hand to be removed with a rotating action. The user can quickly rotate and remove or attach terminal devices as required.

2 Short wrist

The Short wrist consists of a low-profile connector for applications where there is a long residual limb. A Short wrist lamination assembly is supplied with these hands. The hand can be rotated against a constant friction, which can be adjusted by the user. For use when length is an issue. Supplied with a lamination ring.

3 Multi-flex wrist*

The Multi-flex wrist offers passive wrist movement in all directions and the ability to lock in 30° flexion, 30° extension or a neutral position. Lateral deviation remains available while the wrist is locked in the preferred flexion angle.

*This wrist option is only compatible with the bebionic medium and large hands.

4 Flexion wrist

The Flexion wrist is a versatile flexion device that allows the user to easily lock or unlock the wrist position and reposition the wrist in either a flexion or extension position. Offers 30° in either direction and can be locked in each of the three positions.



Principal dimensions and specifications



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)
Finger tip 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)
Principal dimensions	Small	Medium	Large
A Middle fingertip to hand base	160 mm (6 1/4")	175 mm (6 7/8")	180 mm (7 1/16")
B Thumb tip to hand base	100 mm (3 7/8")	120 mm (4 3/4")	124 mm (4 7/8")
C Max chassis width (no glove)	70 mm (2 4/4")	83 mm (3 1/4")	91 mm (3 1/2")
D Diameter of chassis at wrist	45 mm (1 3/4")	50 mm (2")	50 mm (2")
Palm circumference (no glove)	180 mm (7")	210 mm (8 1/4")	230 mm (9")
Maximum opening width – tripod grip	90 mm (3 1/2")	105 mm (4 1/8")	105 mm (4 1/8")

Part number	Structural height †	Weight	Description
Small hand			
1 BBHSM*QD-W	105 mm + 25 mm (4" + 1")	390 g (13 3/4 oz)	bebionic small hand with EQD wrist – white
2 BBHSM*SW-W	105 mm + 12 mm (4" + 1/2")	369 g (13 oz)	bebionic small hand with Short wrist – white
3 BBHSM*QD-W-F	105 mm + 53 mm (4" + 2")	460 g (16 oz)	bebionic small hand with Flexion wrist – white
1 BBHSM*QD-B	105 mm + 25 mm (4" + 1")	390 g (13 3/4 oz)	bebionic small hand with EQD wrist – black
2 BBHSM*SW-B	105 mm + 12 mm (4" + 1/2")	369 g (13 oz)	bebionic small hand with Short wrist – black
3 BBHSM*QD-B-F	105 mm + 53 mm (4" + 2")	460 g (16 oz)	bebionic small hand with Flexion wrist – black
Medium hand			
1 BBHMD*QD	121 mm + 25 mm (4 3/4" + 1")	591 g (1 lb 5 oz)	bebionic medium hand with EQD wrist
2 BBHMD*SW	121 mm + 12 mm (4 3/4" + 1/2")	570 g (1 lb 4 oz)	bebionic medium hand with Short wrist
3 BBHMD*QD-MF	121 mm + 50 mm (4 3/4" + 2")	691 g (1 lb 8 oz)	bebionic medium hand with Multi-flex wrist
4 BBHMD*QD-F	121 mm + 53 mm (4 3/4" + 2")	661 g (1 lb 7 oz)	bebionic medium hand with Flexion wrist
Large hand			
1 BBHLG*QD	125 mm + 25 mm (5" + 1")	598 g (1 lb 5 oz)	bebionic large hand with EQD wrist
2 BBHLG*SW	125 mm + 12 mm (5" + 1/2")	577 g (1 lb 4 oz)	bebionic large hand with Short wrist
3 BBHLG*QD-MF	125 mm + 50 mm (5" + 2")	698 g (1 lb 8 oz)	bebionic large hand with Multi-flex wrist
4 BBHLG*QD-F	125 mm + 53 mm (5" + 2")	668 g (1 lb 7 oz)	bebionic large hand with Flexion wrist

† Structural height consists of thumb tip to base of hand measurement, followed by the structural height for each wrist option. The second number refers to the minimum allowance for the corresponding wrist unit. *Denotes side of hand; insert L for a left hand or R for a right hand.

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