

» bebionic Hand

Myo-Electric Hand

Supplier:

RSL Steeper

Features & Benefits:

- Articulated fingers are driven by individual actuators, allowing each to move and grip in a natural and coordinated way. This provides compliant and conformable grips around complex shapes (shopping bags, coins, etc.)
- Two user selectable thumb positions — Built-in hand sensors detect the thumb position for appropriate grips
- Five basic programmable hand “grips” to simulate everyday tasks. Customizable grips can be created using *bebalance* software.
- On board microprocessors constantly monitor the position of fingers to ensure that grip sequences are accurate
- Auto grip feature provides additional power, when necessary, to maintain consistent grip
- Powered wrist rotation (135°), with flexion and extension (35° from neutral position) adds more life-like functionality
- Durable and flexible silicone anatomical form incorporates True Finish micro-pigmentation for additional depth and realism
- *bebalance* software allows for the programming and maintenance of the device, as well as an in-clinic training aide for the patient
- Compatible with other manufacturers components



Specifications:

- Sizes: *Medium and Large*
- Wrist types: *EQD wrist, Friction wrist, Low-profile, M12 threaded stud or 1/2 x 20 UNF threaded stud*
- Hand build heights: *Medium= With EQD wrist — 146mm (5³/₄"*
With friction wrist — 158mm (6¹/₄"
With low-profile wrist — 133mm (5¹/₄"
With M12 thread stud — 137mm (5¹³/₃₂"
With 1/2 x 20 UNF stud — 137mm (5¹³/₃₂"
Large= With EQD wrist — 150mm (5¹⁵/₁₆"
With friction wrist — 162mm (6³/₈"
With low-profile wrist — 137mm (5¹³/₃₂"
With M12 thread stud — 141mm (5⁹/₁₆"
With 1/2 x 20 UNF stud — 141mm (5⁹/₁₆"
- Hand weights: *Medium= With EQD wrist — 532g (18.8oz)*
With friction wrist — 488g (16.2oz)
With low-profile wrist — 508g (18oz)
With M12 thread stud — 505g (17.8oz)
With 1/2 x 20 UNF stud — 503g (17.7oz)
Large= With EQD wrist — 539g (19oz)
With friction wrist — 495g (17.5oz)
With low-profile wrist — 515g (18.2oz)
With M12 thread stud — 512g (18.1oz)
With 1/2 x 20 UNF stud — 510g (18oz)
- Weight limit: *Maximum vertical load (from knuckles)= 90kg (198lbs)*
Static load (hook grip)= 32kg (70.5lbs)
Individual finger (hook grip)= 16kg (35lbs)
Finger tip extension= 6kg (13lbs)

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- Palmar circumferences: *Medium= No glove — 204mm*
With glove — 234mm
Large= No glove — 220mm
With glove — 250mm
- Maximum opening: *90mm (4") with thumb opposed*
- Maximum grip: *Power= 75N*
Tripod= 34N
Key= 15N
- Operating voltage: *7.4V nominal (6.0V–8.4V operating voltage range)*
- bebalance software requirements: *PC running Windows 2000, XP, Vista or 7*
- Includes *bebalance* programming software, USB wireless RF module, wireless RF module, mechanical fuse kit and hex key tool kit
- Ordering of this item requires a selection of the following components to be made: Hand (with wrist selection), Electrodes, Electrode cables, Internal battery, Battery charger and Anatomical form
- It is strongly advised that the patient reads all warnings for product to prevent excessive wear or injury

Indications:

- Transhumeral and transradial amputations

Contraindications:

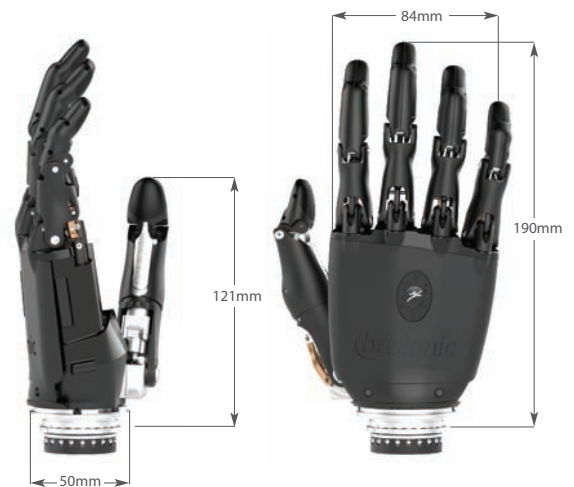
- Activities where heavy loads or regular impact occur

Call Points:

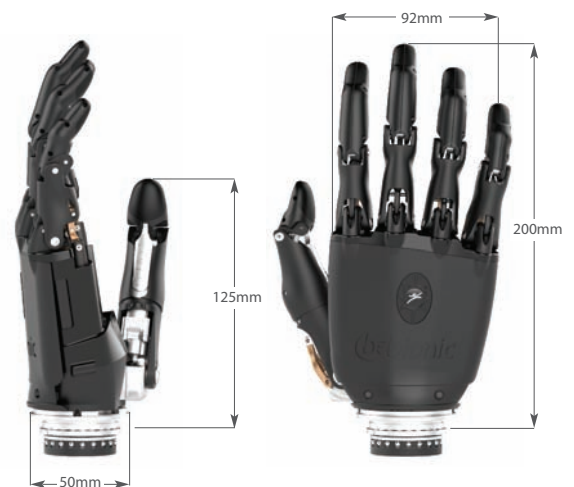
- Prosthetist
- Prosthetic technician

Warranty:

- 12 months on the hand, cables and wrist batteries/chargers, against manufacturers defects
- 3 months on the anatomical form, against manufacturers defects
- Extended warranty options for hand are available at the time of purchase



bebionic Medium sized hand



bebionic Large sized hand

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Please note: When ordering for this item, please make a selection of the following components listed below and on the next page:

Item No.	Description	Wrist Type	Size	Side	Build Height	Weight
Hand with Wrist Configuration						
RSL-BBHMDLQD	Programmable myo-electric hand	EQD	Medium	Left	146mm (5 ³ / ₄ "	532g (18.8oz)
RSL-BBHMDRQD	Programmable myo-electric hand	EQD	Medium	Right	146mm (5 ³ / ₄ "	532g (18.8oz)
RSL-BBHLGLQD	Programmable myo-electric hand	EQD	Large	Left	150mm (5 ¹⁵ / ₁₆ "	539g (19oz)
RSL-BBHLGRQD	Programmable myo-electric hand	EQD	Large	Right	150mm (5 ¹⁵ / ₁₆ "	539g (19oz)
RSL-BBHMDLFW-50	Programmable myo-electric hand	Friction	Medium	Left	158mm (6 ¹ / ₄ "	488g (16.2oz)
RSL-BBHMDRFW-50	Programmable myo-electric hand	Friction	Medium	Right	158mm (6 ¹ / ₄ "	488g (16.2oz)
RSL-BBHLGLFW-50	Programmable myo-electric hand	Friction	Large	Left	162mm (6 ³ / ₈ "	495g (17.5oz)
RSL-BBHLGRFW-50	Programmable myo-electric hand	Friction	Large	Right	162mm (6 ³ / ₈ "	495g (17.5oz)
RSL-BBHMDLSW	Programmable myo-electric hand	Low-profile	Medium	Left	133mm (5 ¹ / ₄ "	508g (18oz)
RSL-BBHMDRSW	Programmable myo-electric hand	Low-profile	Medium	Right	133mm (5 ¹ / ₄ "	508g (18oz)
RSL-BBHLGLSW	Programmable myo-electric hand	Low-profile	Large	Left	137mm (5 ¹³ / ₃₂ "	515g (18.2oz)
RSL-BBHLGRSW	Programmable myo-electric hand	Low-profile	Large	Right	137mm (5 ¹³ / ₃₂ "	515g (18.2oz)
RSL-BBHMDLNA	Programmable myo-electric hand	M12 stud	Medium	Left	137mm (5 ¹³ / ₃₂ "	505g (17.8oz)
RSL-BBHMDRNA	Programmable myo-electric hand	M12 stud	Medium	Right	137mm (5 ¹³ / ₃₂ "	505g (17.8oz)
RSL-BBHLGLNA	Programmable myo-electric hand	M12 stud	Large	Left	141mm (5 ⁹ / ₁₆ "	512g (18.1oz)
RSL-BBHLGRNA	Programmable myo-electric hand	M12 stud	Large	Right	141mm (5 ⁹ / ₁₆ "	512g (18.1oz)
RSL-BBHMDLEU	Programmable myo-electric hand	½ x 20 UNF stud	Medium	Left	137mm (5 ¹³ / ₃₂ "	503g (17.7oz)
RSL-BBHMDREU	Programmable myo-electric hand	½ x 20 UNF stud	Medium	Right	137mm (5 ¹³ / ₃₂ "	503g (17.7oz)
RSL-BBHLGLEU	Programmable myo-electric hand	½ x 20 UNF stud	Large	Left	141mm (5 ⁹ / ₁₆ "	510g (18oz)
RSL-BBHLGREU	Programmable myo-electric hand	½ x 20 UNF stud	Large	Right	141mm (5 ⁹ / ₁₆ "	510g (18oz)

Item No.	Description
Wrist Assembly	
RSL-QDAWA=50	50mm wrist assembly (includes the following three items:)
RSL-QDACP	Coupling piece
RSL-QDACO	Coaxial plug
RSL-QDALR=50	50mm lamination ring
RSL-C12810	50mm friction wrist unit
RSL-BBSW50	50mm short wrist housing for wrist disarticulation
RSL-NHD55110-M12	Threaded stud friction wrist housing for M12 thread stud
RSL-NHD55110	Threaded stud friction wrist housing for ½ x 20 UNF stud

Item No.	Description	Length
Electrodes		
RSL-SEA200	Myo electrode 50/60Hz	—
RSL-ECA=300	Electrode cable	300mm (11 ¹³ / ₁₆ "
RSL-ECA=600	Electrode cable	600mm (23 ⁵ / ₈ "
RSL-ECA=1000	Electrode cable	1,000mm (39 ³ / ₈ "

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Item No.	Description
Batteries	
RSL-BBI=2200	Internal 8.4V 2200mAh battery with charge point
RSL-BBI=2200S	Internal 8.4V 2200mAh split cell battery with charge point
RSL-BBI=1300	Internal 8.4V 1300mAh battery with charge point
RSL-BBI=1300S	Internal 8.4V 1300mAh split cell battery with charge point
RSL-BBCBI	Battery charger
RSL-BBICC	Battery car charger
RSL-BBLDS	Battery lamination dummy set

Item No.	Description	Size	Side
Anatomical Form			
BBGMDFL/C	Adult silicone glove for bebionic hand	Medium	Left
BBGMDFR/C	Adult silicone glove for bebionic hand	Medium	Right
BBGLGML/C	Adult silicone glove for bebionic hand	Large	Left
BBGLGMR/C	Adult silicone glove for bebionic hand	Large	Right

C= Color (E0, E1, E2, E3, E4, E5, E6, E7, E8, E9, E10, E11, E12, E13, E14, E15, E16, E17, E18, E19, E20)

bebionic Hand » Replacement Parts

Item No.	Description
RSL-BB775MFF	Fuse kit
RSL-BBFMDB-1	Medium finger replacement with screws (<i>first finger</i>)
RSL-BBFMDB-2	Medium replacement with screws (<i>second finger</i>)
RSL-BBFMDB-3	Medium replacement with screws (<i>third finger</i>)
RSL-BBFLGB-1	Large finger replacement with screws (<i>first finger</i>)
RSL-BBFLGB-2	Large replacement with screws (<i>second finger</i>)
RSL-BBFLGB-3	Large replacement with screws (<i>third finger</i>)
RSL-BBFLGB-4	Medium and large finger replacement with screws (<i>fourth finger</i>)
RSL-BBFT= F	Replacement distal finger tip with soft palp replacement
RSL-BBMDPGL	Medium palm gaiter (<i>left</i>)
RSL-BBMDPGR	Medium palm gaiter (<i>right</i>)
RSL-BBLGPGL	Large palm gaiter (<i>left</i>)
RSL-BBLGPGR	Large palm gaiter (<i>right</i>)
RSL-BB775MFF	Mechanical finger fuse
RSL-BB775KR	Knuckle retainer
RSL-BBRF=BWQD	RF module for EQD wrist configurations
RSL-BBRF=SWSTFR	RF module for friction, low-profile and studded wrist configurations
RSL-BBGUI	<i>bebalance</i> configuration software
RSL-BBDONG	USB RF module
RSL-BBTOOLKIT	Tool kit for bebionic

F= Finger — Select finger you wish to replace the finger tip (ex: RSL-BBFT=BBFLGB-1)