

# PROSTHETIC SOLUTIONS CATALOG

## UPPER EXTREMITY



**touch**  
bionics BY ÖSSUR

# Touch Bionics by Össur Prosthetics Product Catalog

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# touch

## bionics BY ÖSSUR

## Technology that touches lives

Össur Touch Solutions provide world-leading prosthetic technologies and supporting services designed to ensure the best possible outcomes for people with upper limb deficiencies. Our advanced products include myoelectric prosthetic hands and partial hand solutions, as well as highly realistic passive silicon prostheses that match the natural appearance of the wearer.

We are committed to helping ensure that our users and customers have the best possible experience with our products by supporting them with training and a full range of clinical services.



## FEEL INDEPENDENT FEEL COMPLETE

### MYOELECTRIC FULL HANDS



i-limb®

### MYOELECTRIC PARTIAL HANDS



i-digits™

### PASSIVE FUNCTIONAL HANDS



livingskin™

## i-limb® Feature Overview



i-limb® quantum



i-limb® revolution



i-limb® ultra



i-limb® access

|                                            |                                            |                                            |                                            |
|--------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
| Compliant grip with proportional control   | Compliant grip with proportional control   | Compliant grip with proportional control   | Compliant grip with proportional control   |
| Powered thumb with manual override         | Powered thumb with manual override         | Manually rotatable thumb                   | Manually rotatable thumb                   |
| Gesture control i-mo™ technology           |                                            |                                            |                                            |
| App control quick grips™                   | App control quick grips™                   | App control quick grips™                   | App control quick grips™                   |
| Muscle control triggers                    | Muscle control triggers                    | Muscle control triggers                    | Muscle control triggers                    |
| Proximity control grip chips™              | Proximity control grip chips™              |                                            |                                            |
| 24 automated grips                         | 24 automated grips                         | 14 automated grips                         | 12 automated grips                         |
| 12 Custom my grips™                        | 12 Custom my grips™                        |                                            |                                            |
| Speed & strength boost                     | Speed & strength boost                     | Speed & strength boost                     | Speed & strength boost                     |
| vari-grip                                  | vari-grip                                  | vari-grip                                  |                                            |
| Natural hand mode                          | Natural hand mode                          | Natural hand mode                          |                                            |
| Autograsp                                  | Autograsp                                  | Autograsp                                  | Autograsp                                  |
| Hand health check via biosim/my i-limb app | Hand health check via biosim/my i-limb app | Hand health check via biosim/my i-limb app | Hand health check via biosim/my i-limb app |
| XS, S, M, L                                | XS, S, M, L                                | XS, S, M, L                                | XS, S, M, L                                |

## i-limb® quantum

The i-limb quantum is the new standard for myoelectric prosthetic hands. Incorporating our patented i-mo™ technology, i-limb quantum is the only upper limb prosthesis that can change grips with a simple gesture. Gesture control enables an automated grip to be accessed by moving the i-limb quantum in one of four directions – it really is that simple.

- Five independently articulating digits with individual stall out ability
- 4 methods of control for ultimate freedom – Gesture, App, Muscle, Proximity
- Faster – With our speed boost feature, digit speed can be increased by up to 30%
- Electronically rotating thumb automatically switches between lateral and oppositional grip patterns
- Select from up to 36 different grips available, both pre-programmed and customized
- vari-grip™ feature for enhanced grip strength
- auto-grasp™ feature to prevent objects from slipping
- Industry unique Touch Care package offers unparalleled warranty support for up to 5 years
- biosim™ and my i-limb™ software
- Available in 4 sizes – extra small, small, medium and large
- Multiple covering options available to suit individual lifestyles

### Control Methods



i-mo™ intelligent motion  
GESTURE CONTROL



triggers  
MUSCLE CONTROL



quick grips™  
APP CONTROL



grip chips™  
PROXIMITY CONTROL



The i-limb quantum is also available with titanium strengthened fingers, which increase the carry load by 50%. Available in the sizes S / M and L.

| Device Weight  |              |              |              |
|----------------|--------------|--------------|--------------|
|                | Extra Small  | Small        | Medium/Large |
| QWD            | 472g/1.04lbs | 512g/1.13lbs | 528g/1.16lbs |
| WD             | 432g/0.95lbs | 472g/1.04lbs | 488g/1.08lbs |
| Flexion Wrist  | 572g/1.26lbs | 612g/1.35lbs | 628g/1.38lbs |
| Friction Wrist | 467g/1.03lbs | 507g/1.12lbs | 523g/1.15lbs |

| Technical Information               |                                                                                     |
|-------------------------------------|-------------------------------------------------------------------------------------|
| Voltage                             | 7.4 V (nominal)                                                                     |
| Max. Current                        | 5 A                                                                                 |
| Battery Capacity                    | Rechargeable lithium polymer; 7.4 V (nominal); 2000 mAh capacity; 1300 mAh capacity |
| Max. hand load limit (static limit) | 40kg/88lbs (Extra Small)<br>90kg/198lb (Small/Medium/Large)                         |
| Finger carry load (static limit)    | 20kg/44lbs (Extra Small)<br>32kg/71lbs (Small/Medium/Large)                         |
| Time from full open to full close   | 0.8 seconds                                                                         |

## i-limb® revolution

With its electronically rotating thumb, the i-limb revolution is a versatile and dexterous multi-articulating prosthetic hand offering a range of advanced features.

- Individually motorized digits and thumb with compliant grip and stallout ability
- Electronically rotating thumb glides effortlessly into grip positions.
- Faster – With our speed boost feature, digit speed can be increased by up to 30%
- App control provides instant access to quick grips™ at the touch of an icon. Also compatible with Apple Watch
- Muscle control uses specific muscle signals called triggers to instruct the hand to activate a specific grip
- 24 pre-set plus 12 customizable (my grips™) grips available
- Proximity control uses Bluetooth enabled grip chips™ to activate grips in proximity to the i-limb revolution
- vari-grip™ feature for enhanced grip strength
- auto-grasp™ – anti drop safety feature for added reassurance
- biosim™ and my i-limb™ software
- Available in 4 sizes – extra small, small, medium and large
- Multiple covering options available to suit individual lifestyles

### Control Methods



triggers  
MUSCLE CONTROL



quick grips™  
APP CONTROL



grip chips™  
PROXIMITY CONTROL

| Device Weight  |              |              |              |
|----------------|--------------|--------------|--------------|
|                | Extra Small  | Small        | Medium/Large |
| QWD            | 472g/1.04lbs | 512g/1.13lbs | 528g/1.16lbs |
| WD             | 432g/0.95lbs | 472g/1.04lbs | 488g/1.08lbs |
| Flexion Wrist  | 572g/1.26lbs | 612g/1.35lbs | 628g/1.38lbs |
| Friction Wrist | 467g/1.03lbs | 507g/1.12lbs | 523g/1.15lbs |



The i-limb revolution is also available with titanium straightened fingers, which increase the carry load by 50%. Available in the sizes S / M and L.

| Technical Information               |                                                                                     |
|-------------------------------------|-------------------------------------------------------------------------------------|
| Voltage                             | 7.4 V (nominal)                                                                     |
| Max. Current                        | 5 A                                                                                 |
| Battery Capacity                    | Rechargeable lithium polymer; 7.4 V (nominal); 2000 mAh capacity; 1300 mAh capacity |
| Max. hand load limit (static limit) | 40kg/88lbs (Extra Small)<br>90kg/198lb (Small/Medium/Large)                         |
| Finger carry load (static limit)    | 20kg/44lbs (Extra Small)<br>32kg/71lbs (Small/Medium/Large)                         |
| Time from full open to full close   | 0.8 seconds                                                                         |

## i-limb® ultra

A myoelectric, multi-articulating prosthetic hand with five individually powered digits and manually rotatable thumb.

- Individually motorized digits with compliant grip and stall-out ability
- Manually rotatable thumb that can easily be positioned between lateral and oppositional mode for creating different grip positions
- Faster – With our speed boost feature, digit speed can be increased by up to 30%
- App control provides instant access to quick grips™ at the touch of an icon. Also compatible with Apple Watch
- Muscle control uses specific muscle signals called triggers to instruct the hand to activate a specific grip
- 14 different grip options available
- vari-grip™ feature for enhanced grip strength
- auto-grasp™ - anti drop safety feature for added reassurance
- biosim™ and my i-limb™ software
- Available in 4 sizes – extra small, small, medium and large
- Multiple covering options available to suit individual lifestyles

### Control Methods:



triggers  
MUSCLE CONTROL



quick grips™  
APP CONTROL



The i-limb ultra is also available with titanium strengthened fingers, which increase the carry load by 50%.

Available in the sizes S / M and L.

| Device Weight  |              |              |              |
|----------------|--------------|--------------|--------------|
|                | Extra Small  | Small        | Medium/Large |
| QWD            | 432g/0.95lbs | 468g/1.03lbs | 478g/1.05lbs |
| WD             | 392g/0.86lbs | 428g/0.94lbs | 438g/0.97lbs |
| Flexion Wrist  | 532g/1.17lbs | 568g/1.25lbs | 578g/1.27lbs |
| Friction Wrist | 427g/0.94lbs | 463g/1.02lbs | 473g/1.04lbs |

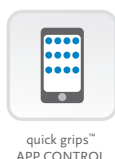
| Technical Information               |                                                                                     |
|-------------------------------------|-------------------------------------------------------------------------------------|
| Voltage                             | 7.4 V (nominal)                                                                     |
| Max. Current                        | 5 A                                                                                 |
| Battery Capacity                    | Rechargeable lithium polymer; 7.4 V (nominal); 2000 mAh capacity; 1300 mAh capacity |
| Max. hand load limit (static limit) | 40kg/88lbs (Extra Small)<br>90kg/198lb (Small/Medium/Large)                         |
| Finger carry load (static limit)    | 20kg/44lbs (Extra Small)<br>32kg/71lbs (Small/Medium/Large)                         |
| Time from full open to full close   | 0.8 seconds                                                                         |

## i-limb® access

A myoelectric, multi-articulating prosthetic hand that offers five individually powered digits and manually rotatable thumb, designed for a broad range of activities.

- Individually motorized digits with compliant grip and stall-out ability
- Manually rotatable thumb that can easily be positioned between lateral and oppositional mode for creating different grip positions
- Faster – With our speed boost feature, digit speed can be increased by up to 30%
- App control provides instant access to quick grips™ at the touch of an icon. Also compatible with Apple Watch
- Muscle control uses specific muscle signals called triggers to instruct the hand to activate a specific grip
- 12 different grip options available.
- biosim™ and my i-limb™ software
- Available in 4 sizes – extra small, small, medium and large
- Multiple covering options available to suit individual lifestyles

### Control Methods:



The i-limb access is also available with titanium straightened fingers, which increase the carry load by 50%.

Available in the sizes S / M and L.

| Device Weight  |              |              |              |
|----------------|--------------|--------------|--------------|
|                | Extra Small  | Small        | Medium/Large |
| QWD            | 432g/0.95lbs | 468g/1.03lbs | 478g/1.05lbs |
| WD             | 392g/0.86lbs | 428g/0.94lbs | 438g/0.97lbs |
| Flexion Wrist  | 532g/1.17lbs | 568g/1.25lbs | 578g/1.27lbs |
| Friction Wrist | 427g/0.94lbs | 463g/1.02lbs | 473g/1.04lbs |

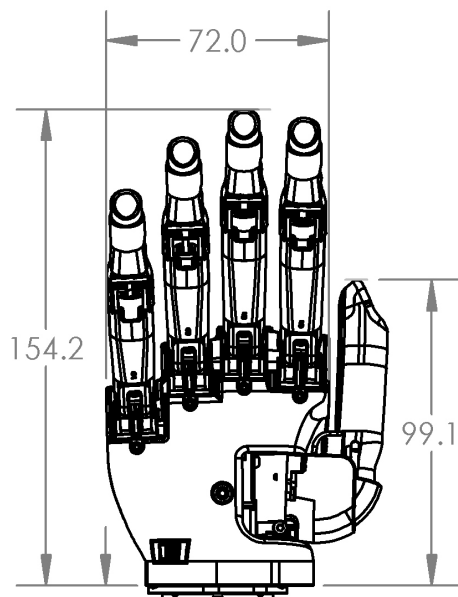
| Technical Information               |                                                                                     |
|-------------------------------------|-------------------------------------------------------------------------------------|
| Voltage                             | 7.4 V (nominal)                                                                     |
| Max. Current                        | 5 A                                                                                 |
| Battery Capacity                    | Rechargeable lithium polymer; 7.4 V (nominal); 2000 mAh capacity; 1300 mAh capacity |
| Max. hand load limit (static limit) | 40kg/88lbs (Extra Small)<br>90kg/198lb (Small/Medium/Large)                         |
| Finger carry load (static limit)    | 20kg/44lbs (Extra Small)<br>32kg/71lbs (Small/Medium/Large)                         |
| Time from full open to full close   | 0.8 seconds                                                                         |

## i-limb®

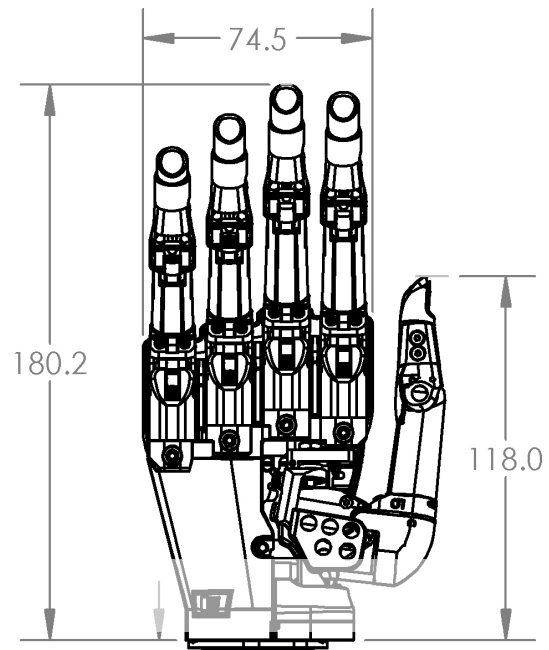
### Dimensions

Not to scale; lengths in mm

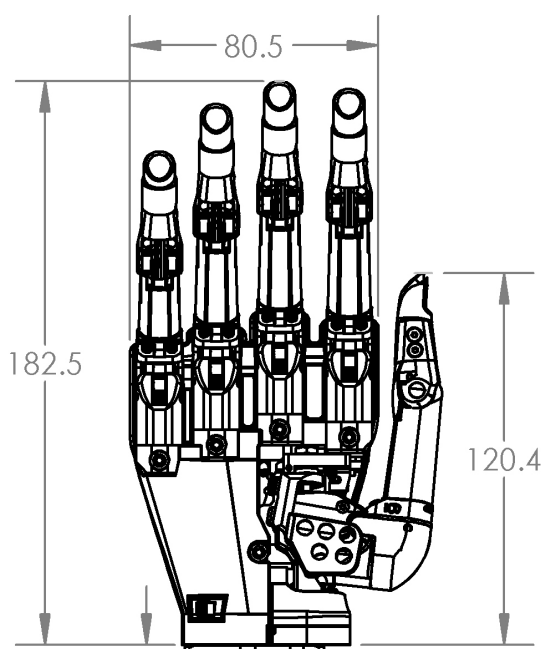
Extra Small Hand



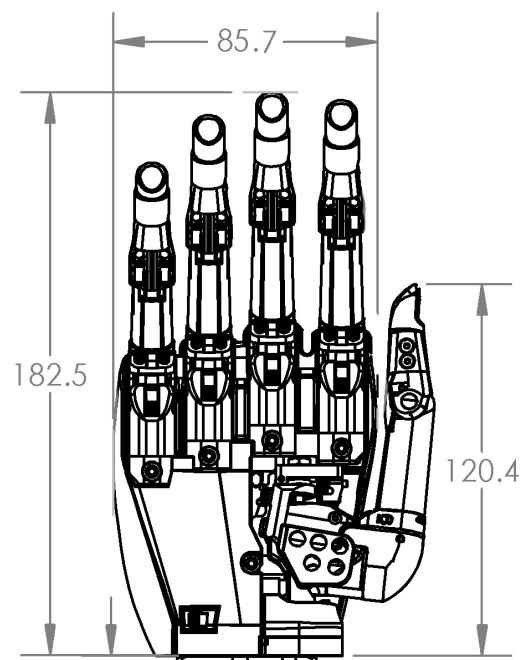
Small Hand



Medium Hand



Large Hand



## i-limb®

### Wrist Options

The i-limb hand range is available with a variety of wrist options

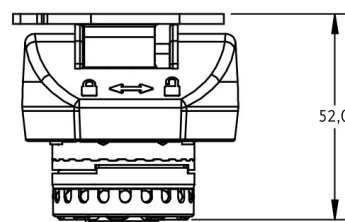
#### Flexion Wrist

The Flexion Wrist offers passive wrist flexion and extension with the ability to lock it in 5 positions;  $+40^{\circ}$   $+20^{\circ}$   $0^{\circ}$   $-20^{\circ}$   $-40^{\circ}$ . The wrist is locked/unlocked with a simple magnetic lock.

Shock absorption is provided reducing forces transferred to the residual limb.

The Flexion Wrist offers the user the ability to complete functional daily activities more comfortably with a reduction in compensatory movements.

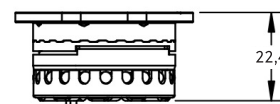
Weight: 161 g / 0.35lbs



#### Quick Wrist Disconnect

Quick Wrist Disconnect (QWD) offers manual wrist rotation. The hand can be easily fitted to and removed from the prosthesis by the user.

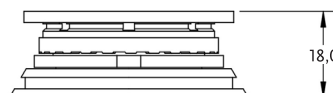
Weight: 54 g / 0.12lbs



#### Friction Wrist

Friction Wrist is suitable for individuals with a long residual limb, offering manual wrist rotation. The hand cannot be removed from the prosthesis by the user.

Weight: 49 g / 0.11lbs

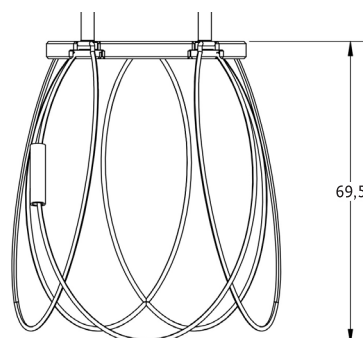


#### Wrist Disarticulation

Wrist disarticulation (WD) is the lowest profile attachment, making it ideal for users with a long residual limb.

A lamination basket is fabricated directly to the socket. No rotation of the hand is possible, and the user is not able to remove the hand from the prosthesis.

Weight: 17 g / 0.04lbs



## i-digits™ quantum

i-digits quantum is a customized prosthetic device for individuals with partial hand loss or deficiency.

i-digits quantum is appropriate for partial hand absence. Suitable candidates present with partial hand loss where the level of loss or deficiency is distal to the wrist and proximal of the metacarpophalangeal joint. Anywhere from one to five digits can be replaced.

i-digits quantum offers the ability to change grips with a simple gesture.

### Design.

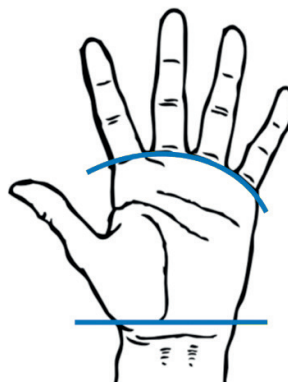
- Fully customized prosthesis for partial hand loss or absence
- Anywhere from 1 to 5 digits can be replaced
- Up to 32 grips available
- Form fitting anatomical design
- Self-contained wristband houses batteries & microprocessor

### Dexterity.

- Digits move independently and work in conjunction with remaining fingers
- Full wrist range-of-movement
- vari-grip™ feature for enhanced grip strength
- auto grasp™ anti-drop feature for added reassurance
- Boost speed and strength by up to 30% with my i-limb™ app

### Intelligent motion.

Gesture control enables an automated grip to be accessed by moving the i-digits quantum in one of four directions.



### Control Methods:



i-mo™ intelligent motion  
GESTURE CONTROL



triggers  
MUSCLE CONTROL



quick grips™  
APP CONTROL



grip chips™  
PROXIMITY CONTROL



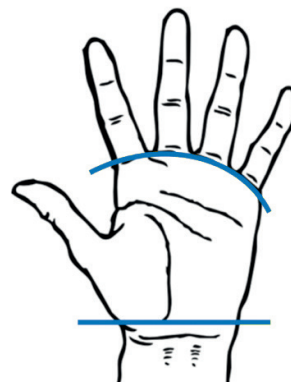
## i-digits™ access

i-digits access is a customized prosthetic device for individuals with partial hand loss or deficiency.

i-digits access is appropriate for partial hand absence. Suitable candidates present with partial hand loss where the level of loss or deficiency is distal to the wrist and proximal of the metacarpophalangeal joint. Anywhere from one to five digits can be replaced.

i-digits access offers a functional partial hand solution.

- Fully customized prosthesis for partial hand loss or absence
- Anywhere from 1 to 5 digits can be replaced
- Up to 12 grips available
- Form fitting anatomical design
- Self-contained wristband houses batteries & microprocessor
- Digits move independently and work in conjunction with remaining fingers
- Full wrist range-of-movement



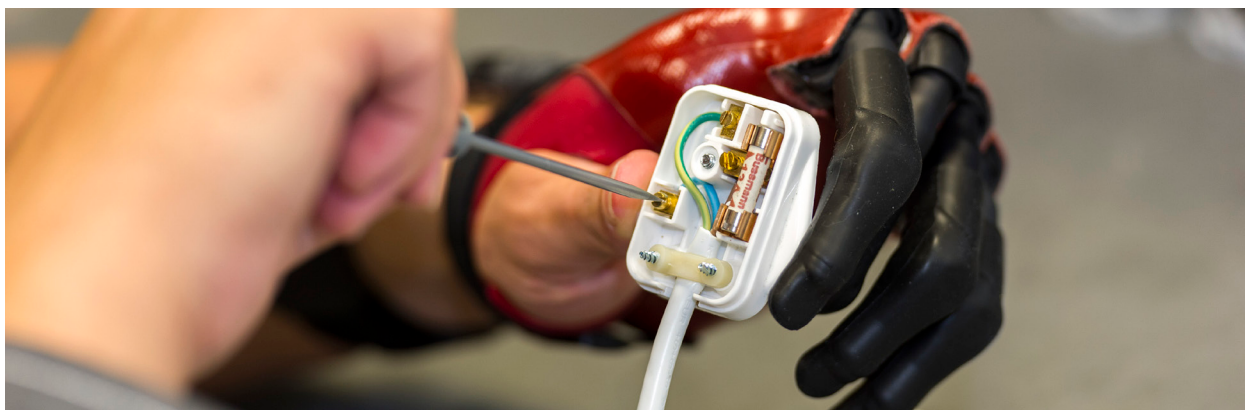
### Control Methods:



triggers  
MUSCLE CONTROL



quick grips™  
APP CONTROL



## i-digits™

### Dimensions

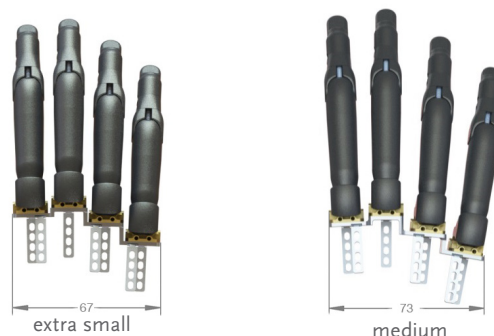
i-digits are available in extra small and medium sizes.

The extra small mounting plate is 67 mm wide, with a straight digit alignment.

The medium mounting plate is 73 mm wide, with a splayed digit alignment.

|             | Thumb | Index | Middle | Ring | Little |
|-------------|-------|-------|--------|------|--------|
| Extra Small | 5     | 5     | 5      | 3    | 2      |
| Medium      | 5     | 6     | 6      | 5    | 3      |

*These configurations provide the optimal digit arrangement and functionality for individuals within the advised fitting guidelines.*



### Input Options

A range of input options are available for i-digits allowing the optimum option for the individual user to be utilized.

#### LP remote electrodes

Low profile gold domes, conform well to the shaping of the residual hand for improved comfort. Suspension piece is fabricated within the silicone socket. This provides the optimum suspension and spacing of the electrode domes. Two domes are positioned together for the muscle site, and one single shared ground dome can be used for dual site control.

| Code     | Description                   |
|----------|-------------------------------|
| PL441012 | LP Remote electrode kit       |
| SA441080 | Check Socket Remote electrode |



#### FSR (Force Sensing Resistor)

Very thin touch pad which the user physically moves a part of their residual hand against the pad. Most useful when a short finger remnant is present.

| Code     | Description              |
|----------|--------------------------|
| SA441092 | FSR for i-digits (small) |
| SA441093 | FSR for i-digits (large) |

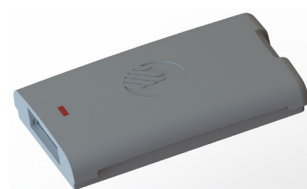


## i-digits™

### Accessories

#### Batteries and Chargers

| Code     | Description                                |
|----------|--------------------------------------------|
| SA069313 | 800mAh battery                             |
| PL069380 | i-digits car charger DC socket             |
| 069436   | i-digits charger DC input plug - EU        |
| 069332   | i-digits charger DC input plug - UK        |
| 069504   | i-digits charger DC input plug - Australia |
| 069372   | i-digits charger DC input plug - US        |
| PL069340 | i-digits battery charger base unit         |



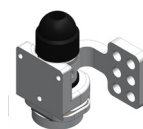
800mAh battery  
(functions as a pair)



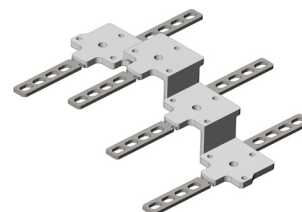
DC input plug

#### Assembly Accessories

| Code     | Description                                               |
|----------|-----------------------------------------------------------|
| SA441036 | i-digits RH mounting knuckle plate assembly - extra small |
| SA440003 | i-digits LH mounting knuckle plate assembly - extra small |
| SA069406 | i-digits RH mounting knuckle plate assembly - medium      |
| SA069405 | i-digits LH mounting knuckle plate assembly - medium      |
| PL441052 | Thumb pivot assembly                                      |
| 069227   | Thumb angled mounting plate                               |
| PL441056 | Single wired knuckle assembly                             |
| SA400074 | Ratchet Strap + Screws + Shoulder Insert Assembly         |
| PL177004 | Repair tool kit T6 with torque driver                     |



Thumb pivot assembly



Mounting knuckle plate assembly

#### Bellows Assembly

| Code     | Description                               |
|----------|-------------------------------------------|
| SA441040 | i-digits electrode bellows assembly 50 Hz |
| SA451002 | i-digits electrode bellows assembly 60 Hz |
| SA441078 | FSR bellows assembly for i-digits         |

#### Digit Tips

| Code   | Description                    |
|--------|--------------------------------|
| 441031 | i-digits cover size 2 black    |
| 441082 | i-digits cover size 2 clear    |
| 441032 | i-digits cover size 3 black    |
| 441083 | i-digits cover size 3 clear    |
| 441033 | i-digits cover size 5 black    |
| 441084 | i-digits cover size 5 clear    |
| 441034 | i-digits cover size TS 5 black |

| Code   | Description                    |
|--------|--------------------------------|
| 441085 | i-digits cover size TS 5 clear |
| 441035 | i-digits thumb cover black     |
| 441088 | i-digits thumb cover clear     |
| 441076 | i-digits cover size 6 black    |
| 441086 | i-digits cover size 6 clear    |
| 441077 | i-digits cover size TS 6 black |
| 441087 | i-digits cover size TS 6 clear |

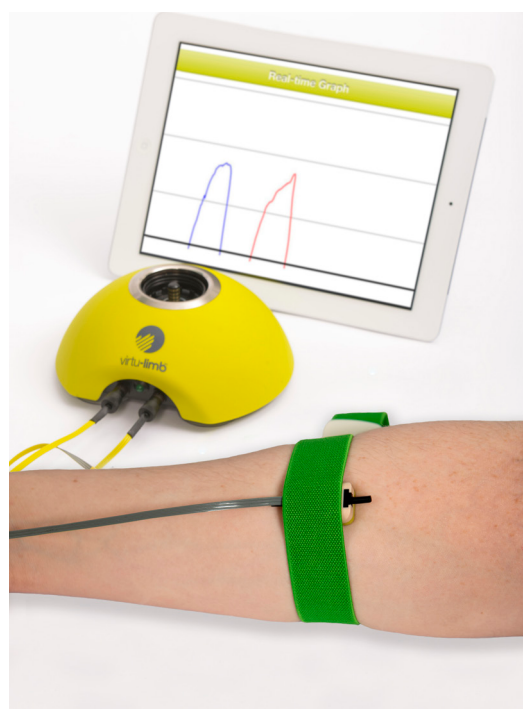
## virtu-limb™

virtu-limb is a wireless simulation and training product for myoelectric upper limb prostheses.

virtu-limb can be used for a variety of purposes:

- Measuring clients' myoelectric signals to determine the best muscle sites for their prosthesis
- Training clients how to control their muscle signals
- Training clients how to use automated grips
- Connect to biosim™ or my i-limb™ software
- Use muscle signals to control virtual hand on software
- Attach i-limb hand to demonstrate i-limb products to clients

| Code     | Description                                           |
|----------|-------------------------------------------------------|
| PL188000 | virtu-limb Kit - US (60 Hz)                           |
| PL189000 | virtu-limb Kit - UK                                   |
| PL189002 | virtu-limb Kit - EU                                   |
| PL189003 | virtu-limb Kit - Australia                            |
| SA188010 | virtu-limb FSR touchpad                               |
| PL189001 | virtu-limb compact electrode kit (50 Hz) - 2 supplied |
| PL188064 | virtu-limb compact electrode kit (60 Hz) - 2 supplied |



virtu-limb™ to measure myoelectric signals

## demo-limb™

demo-limb is a portable demonstration and user training tool. Any i-limb® hand with a QWD wrist connection can be attached to the demo-limb and controlled via FSRs or electrodes to demonstrate how the i-limb hands work.

FSRs are useful for demonstrating the functions of the i-limb hand, like gesture or muscle control.

The electrodes enable a potential i-limb user to utilize their muscle sites and control the i-limb hand offering a product demo for potential users as well as a demonstration and testing of grips.

The i-limb hand can be linked to biosim™ or my i-limb to allow programming, use of quick grips and review of users signals using the real time graph.

With an i-limb quantum hand the demo-limb™ is particularly useful for activation of gesture control.

Features of the demo-limb:

- Two FSR's to simulate open and close signals programmable for co-contraction, double and triple impulse
- Possibility to connect electrodes for control
- Ability to demonstrate gesture control, muscle control, app control and proximity control
- QWD connection
- Exchangeable battery

| Code     | Description |
|----------|-------------|
| PL071000 | demo-limb   |

demo-limb is compatible with virtu-limb electrodes and Power Pack batteries.

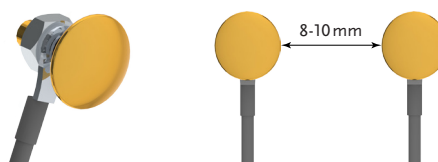
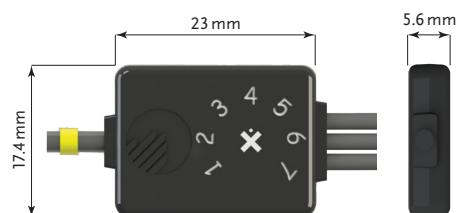


## Electrodes

### Remote Electrodes

- For use with all i-limb® hands
- Can offer improved comfort within the socket as closely follow the contours of the residual limb
- Gold-plated domes for optimized EMG signal
- 50 Hz or 60 Hz
- Dimensions 23 mm x 17.4 mm x 5.6 mm
- 10 mm diameter electrode domes
- Optimum electrode dome spacing is 8-10 mm
- Gain selection, 1-7. For optimal performance, 4 is the recommended setting
- Gain and threshold can be adjusted through biosim™

| Code     | Description                                          |
|----------|------------------------------------------------------|
| PL069466 | 50 Hz single site remote electrode kit, 300 mm cable |
| PL069467 | 60 Hz single site remote electrode kit, 300 mm cable |
| PL069468 | 50 Hz single site remote electrode kit, 600 mm cable |
| PL069469 | 60 Hz single site remote electrode kit, 600 mm cable |



The improvement in EMG amplitude is greater than 20% when using gold-plated electrodes.

## Electrodes

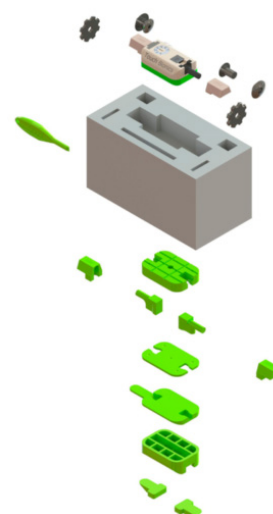
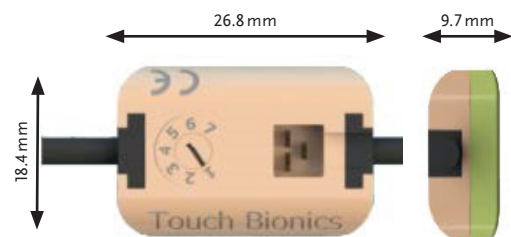
### Compact Electrodes

- For use with all i-limb® hands
- Medical grade stainless steel electrode contacts
- 50 Hz or 60 Hz
- Protection against dust and water spray, compliant with IP64
- Dimensions 26.8 mm x 18.4 mm x 9.7 mm
- Gain selection 1-7
- Gain and threshold can be adjusted using biosim™ software

#### Additional Kit Contents:

- Lamination and thermoplastic dummies
- Electrode cable (choice of 300 mm or 600 mm) and insulated displacement connector
- Electrode gain adjustment tool
- Socket attachment screws and anchors

| Code     | Description                                 |
|----------|---------------------------------------------|
| PL091050 | Compact Electrode Kit, 50 Hz (300 mm cable) |
| PL091060 | Compact Electrode Kit, 60 Hz (300 mm cable) |
| PL091127 | Compact Electrode Kit 50 Hz (600 mm cable)  |
| PL091128 | Compact Electrode Kit 60 Hz (600 mm cable)  |
| PL091029 | 3-way cable 300 mm                          |
| PL091030 | 3-way cable 600 mm                          |

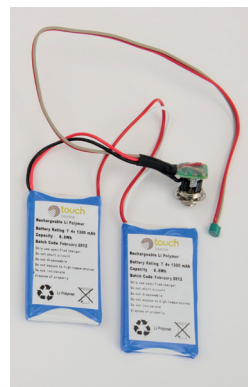


## Chargers & Batteries

### Internal Battery

Touch Bionics' batteries are required for use with i-limb® hands. 2,000mAh and 1,300mAh dual cell batteries are offered with or without a switch block.

A switch block enables the power to the prosthesis to be turned on/off at the charge port location. It is advisable to use a switch block if using an electronic wrist rotator. For this set up 3 parts are required: switch block battery, switch block with flying leads and the power cable.



| Code     | Description                                                                  |
|----------|------------------------------------------------------------------------------|
| PL000234 | 2000mAh battery with DC charge port with dummies                             |
| PL000235 | 2000mAh battery for switch block with dummies                                |
| PL000230 | 1300mAh battery with DC charge port with dummies                             |
| PL000192 | 1300mAh battery for switch block with dummies                                |
| SA000234 | 2000mAh battery with DC charge port without dummies                          |
| SA000235 | 2000mAh battery for switch block without dummies                             |
| SA000230 | 1300mAh battery with DC charge port without dummies                          |
| SA000192 | 1300mAh battery for switch block without dummies                             |
| SA069080 | switch block with flying leads<br>(must be used with switch block batteries) |
| SA000219 | switch block power cable<br>(must be used with switch block batteries)       |

|                       |        | i-limb®<br>1300mAh<br>Battery | i-limb®<br>2000mAh<br>Battery |
|-----------------------|--------|-------------------------------|-------------------------------|
| Capacity              |        | 1300mAh                       | 2000mAh                       |
| Battery<br>Dimensions | Length | 70 mm (2.76")                 | 80 mm (3.17")                 |
|                       | Width  | 35 mm (1.39")                 | 44 mm (1.74")                 |
|                       | Height | 6 mm (0.24")                  | 7.5 mm (0.30")                |
| Application           |        | Moderate Use                  | Heavy Use                     |

### Chargers

Only approved chargers should be used with products from the Touch Solutions range. Different chargers are available for different countries. Please ensure you use the correct charger for your product.

| Code     | Description                       |
|----------|-----------------------------------|
| SA000222 | Car charger DC socket             |
| PL000227 | Charger Kit: 1.3 mm DC Plug (US)  |
| PL000200 | Charger Kit: 1.3 mm DC Plug (EU)  |
| PL000202 | Charger Kit: 1.3 mm DC Plug (UK)  |
| PL000203 | Charger Kit: 1.3 mm DC Plug (SA)  |
| PL000201 | Charger Kit: 1.3 mm DC Plug (Aus) |
| PL000292 | Car charger                       |



## Chargers & Batteries

### i-limb® Power Pack

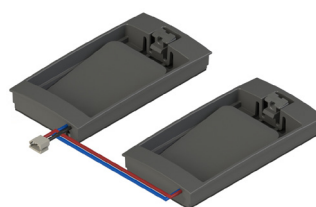
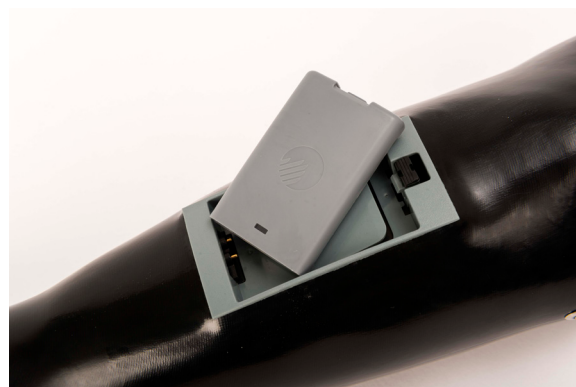
The i-limb Power Pack is for users who want the ability to easily replace batteries and are offered with or without a switch block.

Battery housing is fabricated on the outside of socket, allowing for easy access to replace the batteries.

Replaceable battery kits include the following items:

- 1 dual battery housing unit
- 4 Removable 800 mAh batteries with low battery LED indicator; battery LED will glow RED when batteries are below 10% charge
- 2 Battery housing dummies
- Dual battery charger base unit
- Wall charging unit
- Switch Block (is typically used in conjunction with a wrist rotator or for patients who would like a power off control on the socket)
- Switch template (if switch block is ordered). This template is to be applied to the desired position on the socket to help guide drill holes.
- 2 Battery Pull cords. Beneficial for bi-lateral users, the battery pull cord provides a simple solution for removing the battery from the socket.
- Car charger

| Code     | Description                                      |
|----------|--------------------------------------------------|
| PL238149 | Replaceable Battery Assembly Kit                 |
| PL238163 | Replaceable Battery Assembly Kit w/ switch block |



Dual battery housing unit



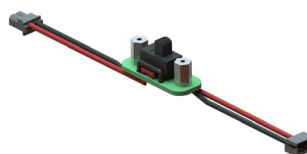
800mAh battery



Charger base unit



Wall charger



Switch block

## i-limb®

### Accessories

#### grip chips™

Can be used to store grips or favourites for i-limb® and i-digits™.

| Code     | Description                             |
|----------|-----------------------------------------|
| PL238089 | grip chips Starter Kit & App Activation |
| PL238090 | grip chips Replenishment Kit            |



#### Toolkit

Required for maintenance of the i-limb® hand.

| Code     | Description                           |
|----------|---------------------------------------|
| PL177001 | Repair tool kit T10                   |
| PL177002 | Repair tool kit T6                    |
| PL177003 | Repair tool kit T8                    |
| PL177004 | Repair tool kit T6 with torque driver |



#### Coupling Piece & Coaxial Plug

For QWD connection.

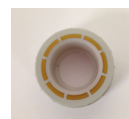
| Code     | Description        |
|----------|--------------------|
| PL091032 | Coupling piece     |
| PL091036 | 4-way coaxial plug |



#### Lamination Ring

For lamination into prosthesis for QWD connection.

| Code   | Description           |
|--------|-----------------------|
| 089003 | Lamination ring 50 mm |
| 091037 | Lamination ring 45 mm |



#### QWD Tool

Required for assembly of a QWD.

| Code   | Description                       |
|--------|-----------------------------------|
| 091084 | Quick Wrist Disconnect (QWD) tool |



#### WD Lamination Plate-Basket Assembly

For lamination into prosthesis with WD connection.

| Code     | Description                         |
|----------|-------------------------------------|
| SA149003 | WD Lamination plate/basket assembly |



#### Electrode Kits

| Code     | Description                                                   |
|----------|---------------------------------------------------------------|
| PL091067 | Single site socket component kit, including one electrode kit |
| PL091068 | Dual site socket component kit, including two electrode kits  |

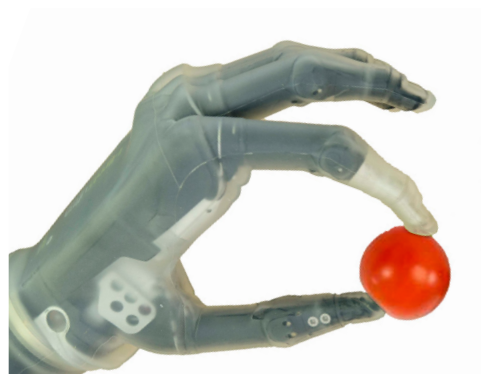
## Coverings

### i-limb™ skin active and TS covers

The i-limb skin active cover is designed for the i-limb hands and will fully cover the hand. The palm and inner surface of the cover provide some frictional properties for slip resistance when gripping. The back of the glove is smooth to allow the hand to easily move through sleeves of clothing.

The i-limb skin active TS allows users to use touchscreen devices such as smartphones or tablets with compatible i-limb prostheses.

Note: for large i-limb hands order medium covering.



#### i-limb skin active codes

| Code               | Description                             |
|--------------------|-----------------------------------------|
| PL353002           | i-limb skin active RH extra small Clear |
| PL353003           | i-limb skin active LH extra small Clear |
| PL353000           | i-limb skin active RH extra small Black |
| PL353001           | i-limb skin active LH extra small Black |
| 092025             | i-limb skin active RH small Clear       |
| 092026             | i-limb skin active LH small Clear       |
| 092029             | i-limb skin active RH small Black       |
| 092030             | i-limb skin active LH small Black       |
| 092023             | i-limb skin active RH medium Clear      |
| 092024             | i-limb skin active LH medium Clear      |
| 092027             | i-limb skin active RH medium Black      |
| 092028             | i-limb skin active LH medium Black      |
| active package x 4 | i-limb skin active (black or clear) x 4 |

#### i-limb skin active TS codes

| Code                  | Description                                |
|-----------------------|--------------------------------------------|
| PL380002              | i-limb skin active RH extra small Clear TS |
| PL380003              | i-limb skin active LH extra small Clear TS |
| PL380000              | i-limb skin active RH extra small Black TS |
| PL380001              | i-limb skin active LH extra small Black TS |
| MP092025              | i-limb skin active RH small Clear TS       |
| MP092026              | i-limb skin active LH small Clear TS       |
| MP092029              | i-limb skin active RH small Black TS       |
| MP092030              | i-limb skin active LH small Black TS       |
| MP092023              | i-limb skin active RH medium Clear TS      |
| MP092024              | i-limb skin active LH medium Clear TS      |
| MP092027              | i-limb skin active RH medium Black TS      |
| MP092028              | i-limb skin active LH medium Black TS      |
| active TS package x 4 | i-limb skin active TS (black or clear) x 4 |



## Coverings

### i-limb™ skin contour and TS covers

The i-limb skin contour cover is a soft silicon glove that is anatomically shaped and is equipped with a slip coating inside for ease of donning & doffing.

The thicker tips and looser fitting on the i-limb hand provides increased durability.

The i-limb skin contour cover is available in 2 colors: clear and black. Also available with Touch Screen (TS) option.

Note: for large i-limb hands order medium covering.



#### i-limb skin contour codes

| Code                | Description                              |
|---------------------|------------------------------------------|
| PL353004            | i-limb skin contour RH extra small Clear |
| PL353005            | i-limb skin contour LH extra small Clear |
| PL353014            | i-limb skin contour RH extra small Black |
| PL353015            | i-limb skin contour LH extra small Black |
| PL354004            | i-limb skin contour RH small Clear       |
| PL354005            | i-limb skin contour LH small Clear       |
| PL354014            | i-limb skin contour RH small Black       |
| PL354015            | i-limb skin contour LH small Black       |
| PL355004            | i-limb skin contour RH medium Clear      |
| PL355005            | i-limb skin contour LH medium Clear      |
| PL355014            | i-limb skin contour RH medium Black      |
| PL355015            | i-limb skin contour LH medium Black      |
| contour package x 4 | i-limb skin contour x 4                  |

#### i-limb skin contour TS codes

| Code                   | Description                                 |
|------------------------|---------------------------------------------|
| PL380004               | i-limb skin contour RH extra small Clear TS |
| PL380005               | i-limb skin contour LH extra small Clear TS |
| PL380012               | i-limb skin contour RH extra small Black TS |
| PL380013               | i-limb skin contour LH extra small Black TS |
| PL381004               | i-limb skin contour RH small Clear TS       |
| PL381005               | i-limb skin contour LH small Clear TS       |
| PL381012               | i-limb skin contour RH small Black TS       |
| PL381013               | i-limb skin contour LH small Black TS       |
| PL382004               | i-limb skin contour RH medium Clear TS      |
| PL382005               | i-limb skin contour LH medium Clear TS      |
| PL382012               | i-limb skin contour RH medium Black TS      |
| PL382013               | i-limb skin contour LH medium Black TS      |
| contour TS package x 4 | i-limb skin contour TS x 4                  |

## Coverings

### i-limb™ skin natural covers

The i-limb skin natural cover is designed to be close to natural human anatomy. A color swatch is available to select the closest color match between clients natural skin color and the color of the i-limb skin natural cover. There are 18 color options for the i-limb skin natural cover.

The i-limb skin natural covers extend to just proximal to the wrist level. For coverage of the forearm section of the prosthesis, forearm sleeves are available in the corresponding colors.

Note: for large i-limb hands order medium covering.



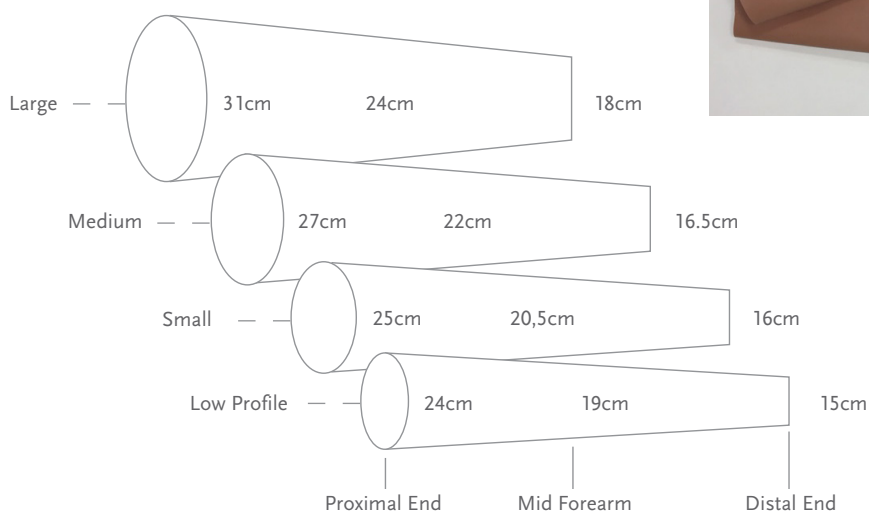
|       | Extra small |        | Small  |        | Medium |        |
|-------|-------------|--------|--------|--------|--------|--------|
| Color | LH          | RH     | LH     | RH     | LH     | RH     |
| 1     | 066582      | 066564 | 066509 | 066491 | 066473 | 066455 |
| 2     | 066583      | 066565 | 066510 | 066492 | 066474 | 066456 |
| 3     | 066584      | 066566 | 066511 | 066493 | 066475 | 066457 |
| 4     | 066585      | 066567 | 066512 | 066494 | 066476 | 066458 |
| 5     | 066586      | 066568 | 066513 | 066495 | 066477 | 066459 |
| 6     | 066587      | 066569 | 066514 | 066496 | 066478 | 066460 |
| 7     | 066588      | 066570 | 066515 | 066497 | 066479 | 066461 |
| 8     | 066589      | 066571 | 066516 | 066498 | 066480 | 066462 |
| 9     | 066590      | 066572 | 066517 | 066499 | 066481 | 066463 |
| 10    | 066591      | 066573 | 066518 | 066500 | 066482 | 066464 |
| 11    | 066592      | 066574 | 066519 | 066501 | 066483 | 066465 |
| 12    | 066593      | 066575 | 066520 | 066502 | 066484 | 066466 |
| 13    | 066594      | 066576 | 066521 | 066503 | 066485 | 066467 |
| 14    | 066595      | 066577 | 066522 | 066504 | 066486 | 066468 |
| 15    | 066596      | 066578 | 066523 | 066505 | 066487 | 066469 |
| 16    | 066597      | 066579 | 066524 | 066506 | 066488 | 066470 |
| 17    | 066598      | 066580 | 066525 | 066507 | 066489 | 066471 |
| 18    | 066599      | 066581 | 066526 | 066508 | 066490 | 066472 |

## Coverings

### i-limb™ skin natural forearm sleeves

i-limb skin natural forearm sleeves offer a cosmetic cover for the forearm section of the prosthesis, for those individuals who wish the forearm of the prosthesis to be covered. Available in 4 circumference sizes (low profile, small, medium, large) to fit the dimensions of the forearm of the prosthesis. 18 color options are available.

Forearm sleeves are 35cm long.



| Color | Low Profile | Small  | Medium | Large  |
|-------|-------------|--------|--------|--------|
| 1     | 066629      | 066628 | 066627 | 066626 |
| 2     | 066633      | 066632 | 066631 | 066630 |
| 3     | 066637      | 066636 | 066635 | 066634 |
| 4     | 066641      | 066640 | 066639 | 066638 |
| 5     | 066645      | 066644 | 066643 | 066642 |
| 6     | 066649      | 066648 | 066647 | 066646 |
| 7     | 066653      | 066652 | 066651 | 066650 |
| 8     | 066657      | 066656 | 066655 | 066654 |
| 9     | 066661      | 066660 | 066659 | 066658 |
| 10    | 066665      | 066664 | 066663 | 066662 |
| 11    | 066669      | 066668 | 066667 | 066666 |
| 12    | 066673      | 066672 | 066671 | 066670 |
| 13    | 066677      | 066676 | 066675 | 066674 |
| 14    | 066681      | 066680 | 066679 | 066678 |
| 15    | 066685      | 066684 | 066683 | 066682 |
| 16    | 066689      | 066688 | 066687 | 066686 |
| 17    | 066693      | 066692 | 066691 | 066690 |
| 18    | 066700      | 066696 | 066695 | 066694 |

## Coverings

### i-limb™ skin match covers

For the most realistic covering option possible, the i-limb skin match is a fully customized silicone covering that exactly matches the user's skin tone and features.

The i-limb skin match cover extends to just proximal to the wrist level. For coverage of the forearm section of the prosthesis, a i-limb skin match forearm cover can also be produced matching the users skin tones.

| Code   | Description                                                     |
|--------|-----------------------------------------------------------------|
| 066006 | i-limb skin match hand cover                                    |
| 066448 | i-limb skin match forearm sleeve                                |
| 066449 | i-limb skin match hand covering including custom forearm sleeve |



# livingskin™

## Overview

A livingskin prosthesis is designed to be unnoticed.

Hand crafted from high definition silicone and hand painted to match skin tone and appearance, our livingskin prostheses are very realistic. We take care to ensure that the detail of these prostheses is remarkable, introducing features such as freckles and hair.

In addition to the realistic appearance of our livingskin products, it is important to remember that passive prostheses like these still have important functional capabilities. This includes actions such as pushing, pulling, stabilizing, supporting, light grasping and typing.



### livingskin fingers

| US Code | International Code | Description    |
|---------|--------------------|----------------|
| F1_DCM  | 066453             | partial finger |
| F1_DCM  | 066026             | 1 finger       |
| F2_DCM  | 066029             | 2 fingers      |
| F3_DCM  | 066039             | 3 fingers      |
| F4_DCM  | 066040             | 4 fingers      |
| F5_DCM  | 066134             | 5 fingers      |
| FB_DCM  | 066135             | finger band    |



### livingskin hands

| US Code | International Code | Description  |
|---------|--------------------|--------------|
| PHP-DCM | 066014             | partial hand |
| THP-DCM | 066015             | full hand    |



### livingskin transradial & transhumeral

| US Code  | International Code | Description                    |
|----------|--------------------|--------------------------------|
| HBEC-DCM | 066016             | transradial passive to elbow   |
| HAEC-DCM | 066017             | transhumeral passive to axilla |



## livingskin™

### Accessories

| US Code | International Code | Description                                               |
|---------|--------------------|-----------------------------------------------------------|
| SEA     | SEA                | SeasonGuard                                               |
| DHS     | 066443             | dermahair - finger                                        |
| DHH     | 066065             | dermahair - hand                                          |
| DHA     | 066442             | dermahair - arm                                           |
| DHA     | DHA                | dermahair - transradial                                   |
| IMP     | 092039             | extra silicone material - per 1 lb tube                   |
| RTS     | TS                 | orthotic device (including thumb stabilizer)              |
| CMS     | CMS                | internal rigid frame for wrist disarticulation prosthesis |
| PROSU   | PROSU              | pronation/supination wrist component                      |
| FLEXT   | FLEXT              | flexion/extension wrist component                         |
| SLPCT   | SLPCT              | slipcoat                                                  |