

**Upper Limb Prosthetic Products**  
Steeper Group

# Upper Limb Prosthetic Products





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- Myoelectric Elbows
- Myoelectric Power & Inputs
- Cable Operated & Spring Hands
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- Cosmetic Hands & Gloves
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# Upper Limb Prosthetic Solutions.

Our founder, Hugh Steeper, was a pioneer in the field of prosthetics; paving the way for innovations that would change the lives of veterans of the Great War. Today, the Steeper name continues to create positive turning points for patients and clinicians in need of ground-breaking prosthetic solutions.

## Pioneers in Upper Limb Prosthetics

Welcome to the latest edition of our upper limb prosthetic catalogue. With over 100 years of experience in the field of upper limb prosthetics, our aim is to develop the most innovative and functional products that recapture independence and transform lives.

We provide a comprehensive and diverse range of upper limb prosthetic solutions for all ages and requirements, including several brand new products that incorporate the very latest technology.

From state-of-the-art externally powered systems to durable and functional body-powered systems, we offer solutions to suit any person and every challenge. Complete lightweight cosmetic systems are also available, including an extensive range of cosmetic gloves, in silicone and PVC, and our high-definition custom silicone range.

We are committed to delivering world leading products, and high quality clinical services for clinicians and patients across the globe.

## Catalogue Guide

Using this catalogue, you may notice some differences in ordering methods due to the breadth of our range. These are outlined on each product page, however, should you require assistance, please contact our friendly Customer Services team or a Steeper Product Manager. Ordering information and limb build guides are located at the front of this catalogue.



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How to Order

Steeper accept orders via the following methods:

**UK/Rest of the World orders**

Tel: +44 (0) 870 240 4133  
Email: customerservices@steepergroup.com

**US orders**

Tel: (+1) 210 481 4126  
Email: sales@steeperusa.com

Please discuss delivery options at point of order.

Returns

Inspect all goods immediately upon receipt for damage or errors in shipping; contact Customer Services within 3 business days in the event of shipping errors or damage. Credit will not be issued for custom items made to specification or items older than 30 days, unless shipped by Steeper in error or there is a defect in materials, or workmanship.

Prior approval and a Return Authorisation (RA) Number must be obtained from Customer Services for all goods returned. Credit for returned merchandise is subject to inspection; merchandise must remain in a saleable condition, and in the original packaging. Returns must be accompanied by a copy of the original invoice, order number, or PO number in addition to the Return Authorisation Number, which can be obtained from Customer Services. The Return Authorisation Number must appear on the shipping label.

Single Patient Use

The Steeper range is intended for Single Patient Use and each product should be fitted by a qualified professional. Failure to follow this advice could result in potentially dangerous circumstances and invalidates the product warranty.

Warranty

Steeper products are warranted, to the purchaser, for defective materials, workmanship, and failure for the product to perform as intended. Steeper items deemed within warranty terms will be replaced or repaired free of charge at Steeper's discretion. A warranty claim will be void if considered a symptom of normal wear and tear, or the product is found not to have been used in accordance with the supplied technical and user instruction.

In the event that a product exceeds the stated product warranty period, is deemed damaged/defective through patient use, neglect, operation beyond capacity, or otherwise falls outside of the warranty terms, the claimant will be informed and the warranty claim rejected. In this instance, repair/replacement of the given product will be chargeable.

Below is a summary of warranties by product group, for individual warranty details please refer to their technical manuals:

| Product Group   | Warranty                     |
|---|------------------------------|
| Myoelectric Hands   | 24 months from shipping date |
| Espire Pro and Espire Hybrid Elbows                               | 24 months from shipping date |
| Espire Classic Plus and Classic Elbows                            | 12 months from shipping date |
| Upper Limb Prosthetic Components, Equipment and Fabrication Items | 12 months from shipping date |
| Suspension Kits   | 3 months from shipping date  |
| Hosmer Split Hooks & Upper Extremity Components                   | 18 months from shipping date |

Please note: All warranties are void where a product has been altered or misused. Steeper reserve the right to refuse a warranty claim on a returned product following review.

The Steeper Warranty Policy is reviewed at defined periods by the Sales team to ensure prosthetic product and warranty periods reflect current product range and supply. Please refer to individual product documentation for product specific warranty information.

For warranty information regarding specific terms and conditions, or on our distributed product listings, please refer to our supplementary catalogues or contact your local product manager/service provider.

Ordering Colour Swatches

Please see below for the TrueFinish™ colour shades for our full glove ranges, suitable for use with myoelectric, mechanical and cosmetic hands. These are available in 19 skin shades featuring TrueFinish™ micropigmentation for increased realism.



A solid black glove is available using code E20, this is supplied without painted nails.

See pages 86-117 for our full range of cosmetic gloves.

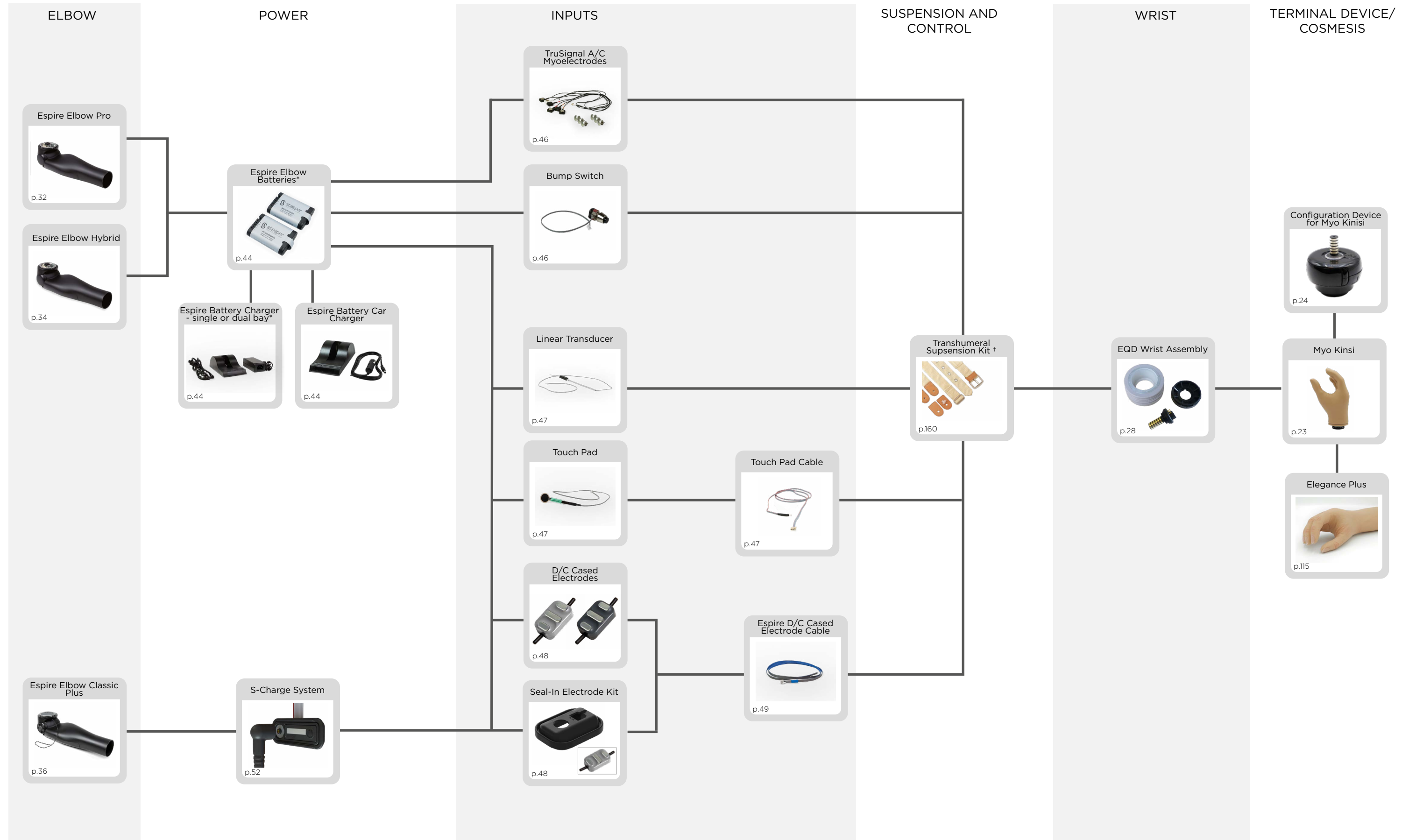
To help you select the most appropriate colour of glove, swatches are available on request:

- E24655 - Glove Colour Swatch - TrueFinish™
- E24658 - USA Glove Color Swatch - TrueFinish™
- E24654 - Glove Colour Swatch - Standard

The swatch colours shown above are for indication only. To request a colour swatch sample or to place an order for Steeper TrueFinish™ gloves, please contact [customerservices@steepergroup.com](mailto:customerservices@steepergroup.com) or [sales@usa.com](mailto:sales@usa.com).



**MYOELECTRIC TRANSHUMERAL BUILD**



\*2 batteries and single bay charger supplied with the Espire Elbow

†Control and lift kits are available see page 162

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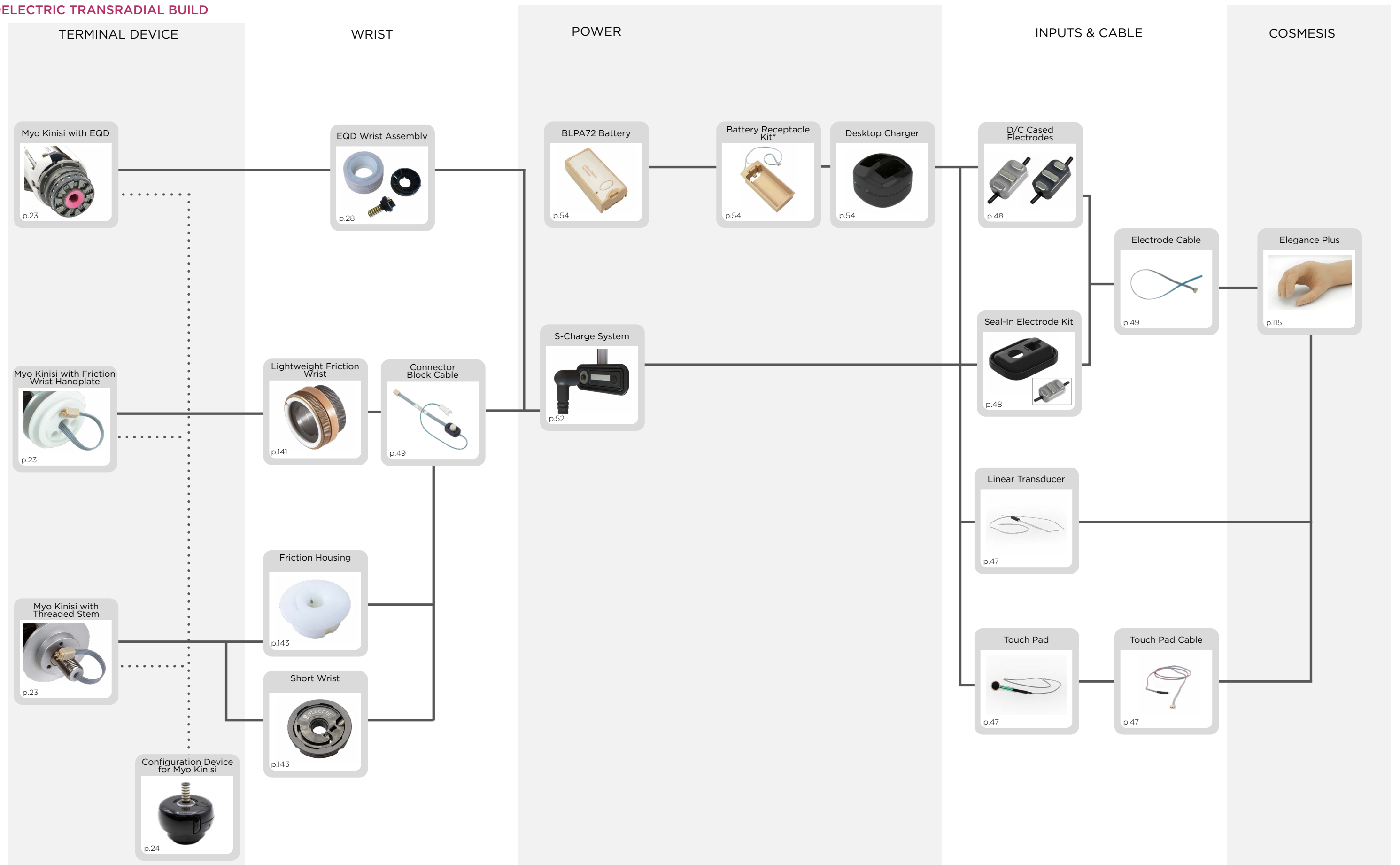


**MYOELECTRIC TRANSRADIAL BUILD**

**MYO KINISI WITH EQD WRIST**

**MYO KINISI WITH FRICTION WRIST**

**MYO KINISI WITH THREADED SHORT WRIST**



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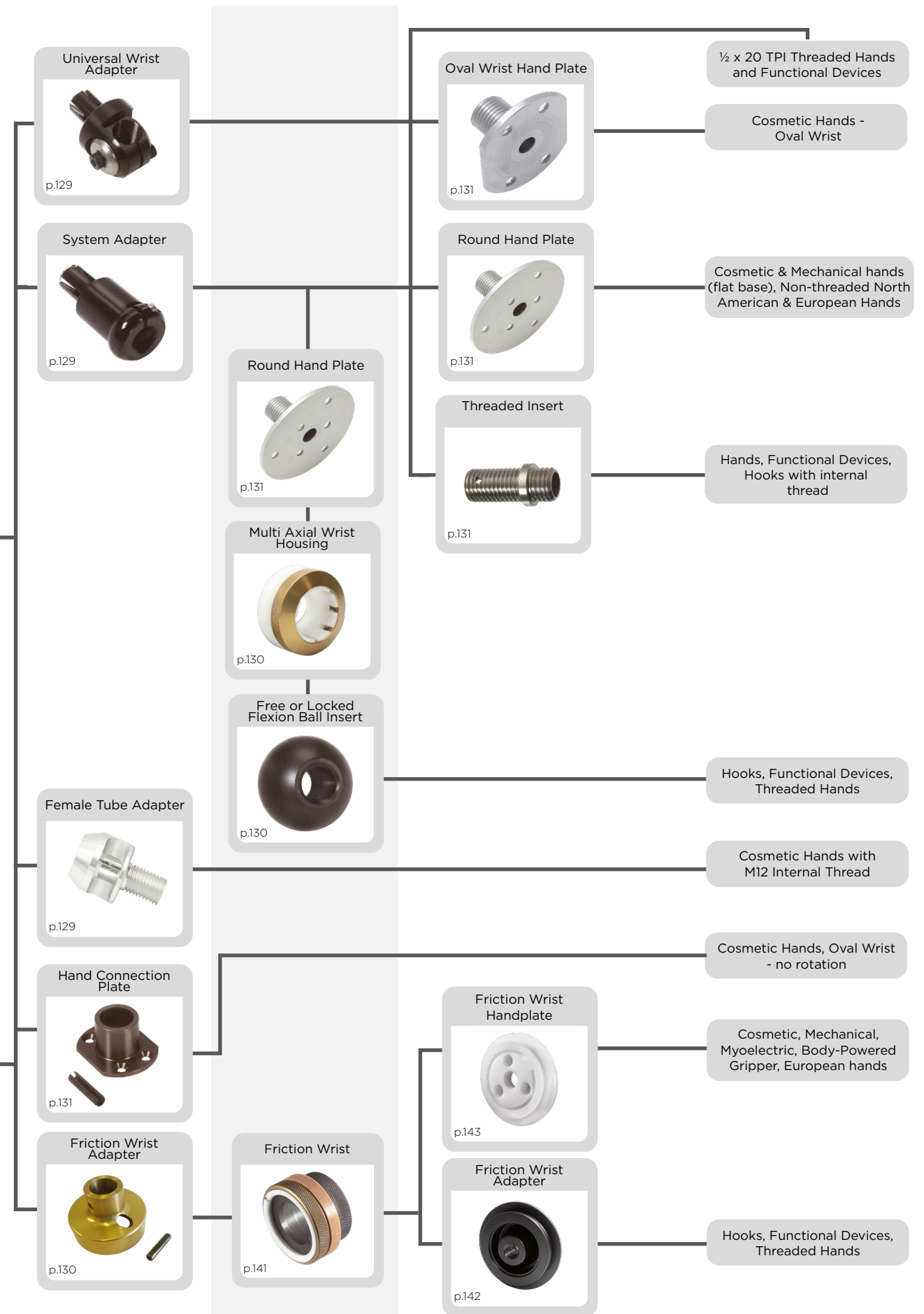
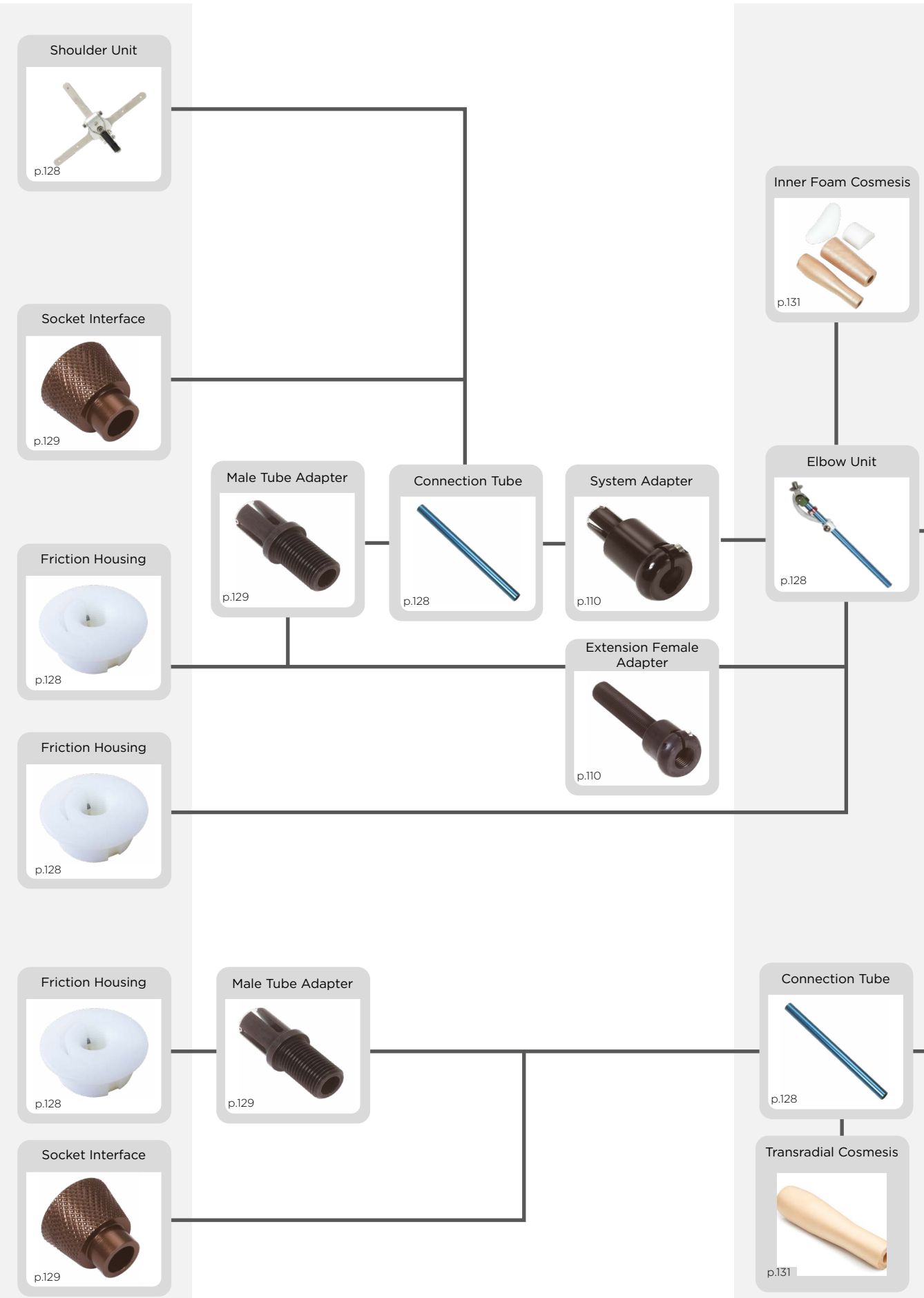


**SHOULDER DISARTICULATION**

**SHORT TRANSHUMERAL**

**LONG TRANSHUMERAL**

**TRANSRADIAL**



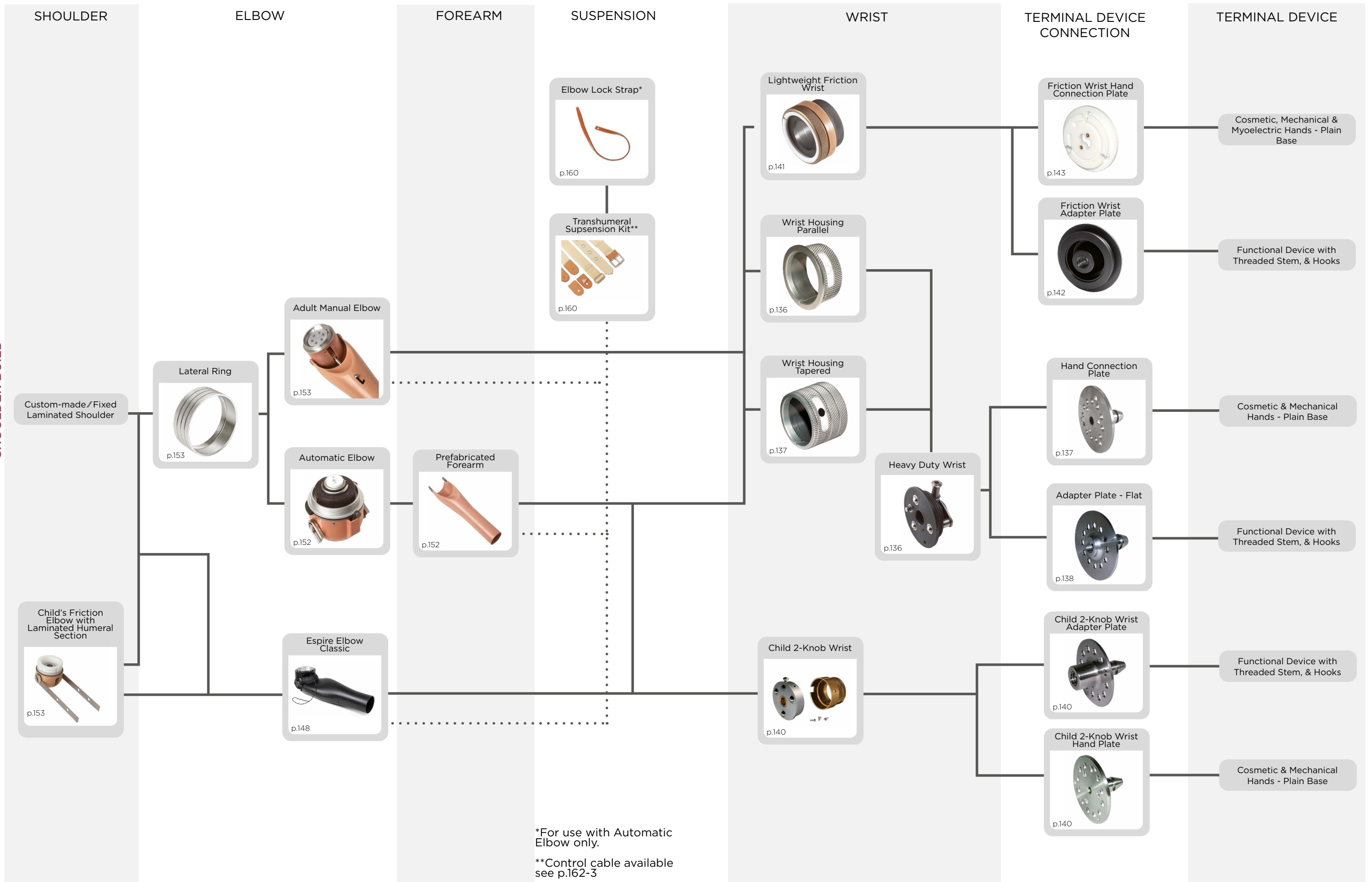
Compatible with the Steeper range of cosmetic gloves, see pages 86 - 117 for more details.

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FOREQUARTER/  
SHOULDER BUILD

TRANSHUMERAL BUILD



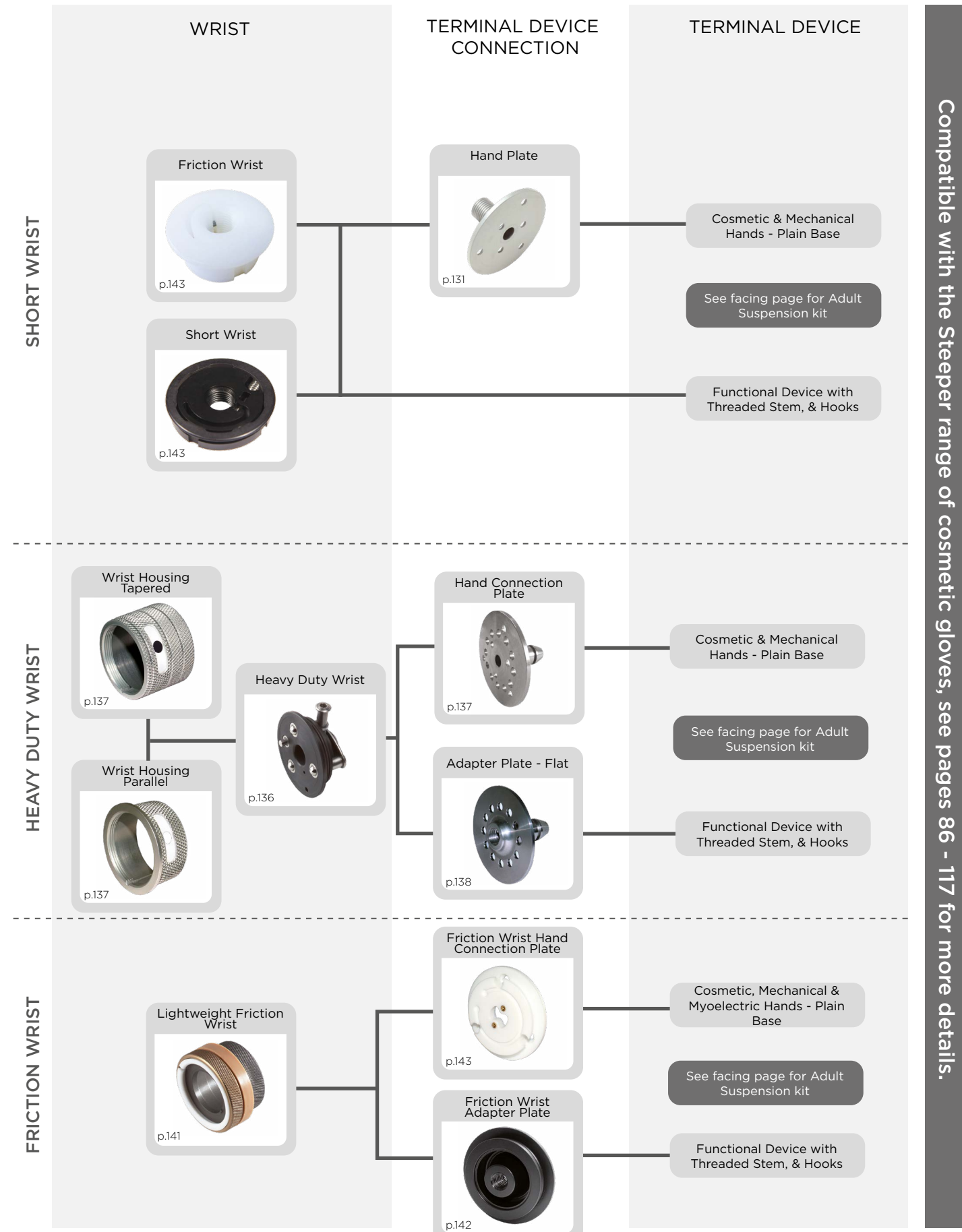
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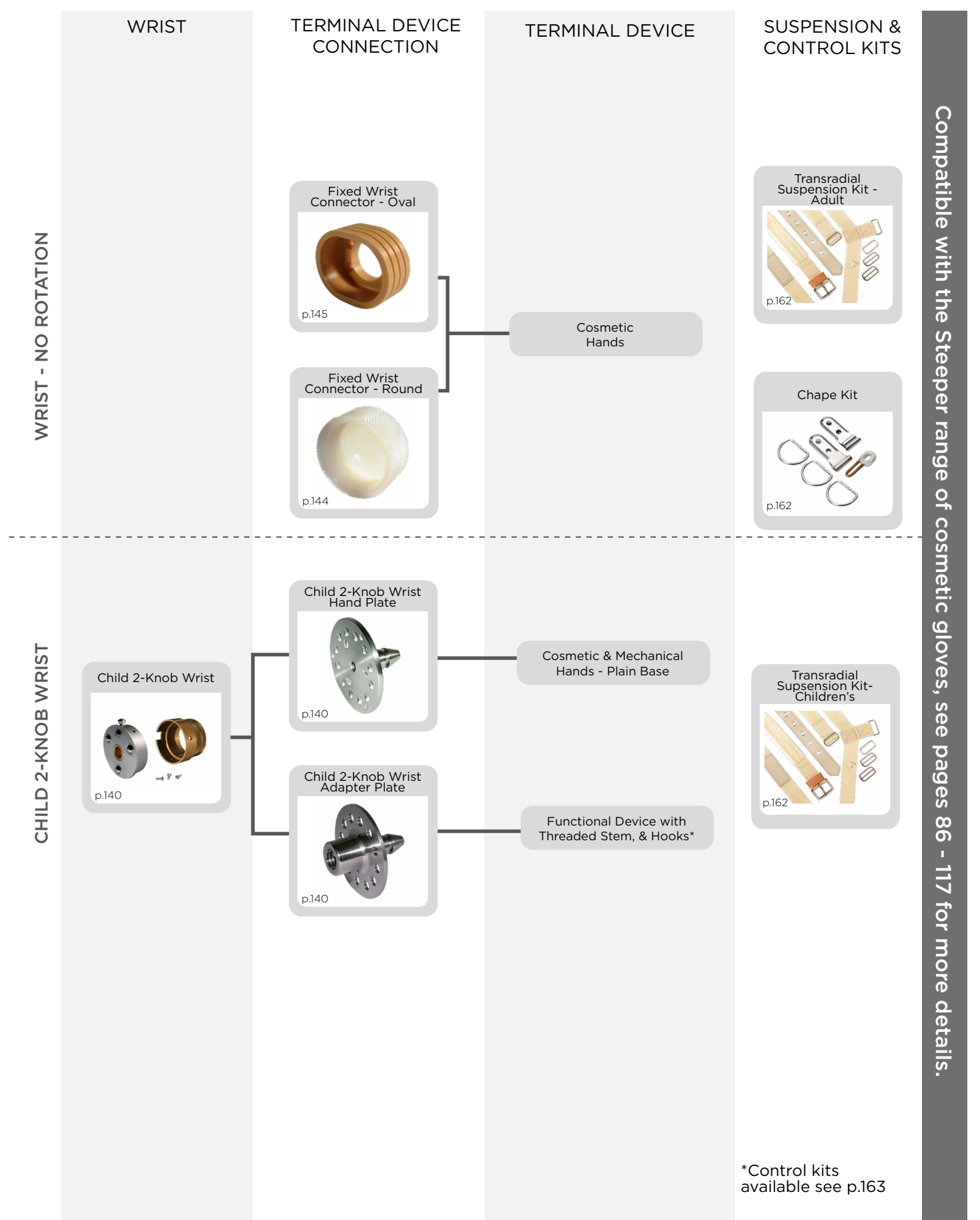
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**TRANSRADIAL BUILD**



Compatible with the Steeper range of cosmetic gloves, see pages 86 - 117 for more details.



Compatible with the Steeper range of cosmetic gloves, see pages 86 - 117 for more details.

\*Control kits available see p.163



Our range of myoelectric hands and components offer durability, reliability and quality design features.

The range includes the innovative Myo Kinisi hand, along with compatible electrodes, cables, connectors, multiple wrist options, and our high-capacity S-Charge System.

A range of courses about Myoelectric hands and components are available on UpSkill by Steeper, our comprehensive online learning tool. You will see the UpSkill shield where courses are available.



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# Myo Kinisi

The Myo Kinisi is a myoelectric prosthetic hand, externally controlled by the electric signals naturally generated by the user's muscles, and powered using a high-capacity battery system housed within the forearm.

It is suitable for patients at levels equivalent to transradial and more proximally, in both unilateral and bilateral applications. To suit a broad range of clinical presentations, the hand is available in three sizes and four wrist variations.

As the user varies their muscle intensity, the Myo Kinisi hand will respond with a proportionate hand speed and grip force, which can be pre-programmed using the Steeper Configuration Device.

For product training visit [www.upskillbysteep.com](http://www.upskillbysteep.com)



## Features and Benefits

- Three hand sizes available: 7¼, 7¾ and 8¼
- Auto-grip feature enables the user to have secure grip on unstable objects
- User-friendly function button located on the dorsal aspect of the hand
- Supercapacitor technology provides efficient control and power conservation
- Safety release mechanism for patient reassurance
- Steeper Configuration Device allows prosthetists to configure to user's exacting requirements (p.24)
- 13 adjustable parameters
- Five control modes
- Operating voltage 7.2V DC
- Durable PVC hand shell and complemented by the reinforced Elegance Plus cosmesis, designed specifically for use with the Myo Kinisi with enhanced detailing



½" x 20 TPI

M12 x 1.5mm

## Technical Information: Myo Kinisi with Quick Disconnect Wrist

(Performance figures have been measured with a fitted hand shell)

| Size | Compatible Wrist Sizes | Speed when Closing from Fully Open | Grip Strength | Max Opening Width | Weight with Inner Glove | Length (Base Hand Shell to Thumb Tip) |
|------|------------------------|------------------------------------|---------------|-------------------|-------------------------|---------------------------------------|
| 7¼   | 45mm (1¾")             | 220mm/s                            | c.90N         | 100mm (3 15/16")  | 530g (1lb 2oz)          | 170mm (6 11/16")                      |
| 7¾   | 50mm (2")              | 220mm/s                            | c.90N         | 100mm (3 15/16")  | 550g (1lb 2oz)          | 170mm (6 11/16")                      |
| 8¼   | 54mm (2 1/8")          | 220mm/s                            | c.90N         | 100mm (3 15/16")  | 565g (1lb 3oz)          | 175mm (6 7/8")                        |

### Myo Kinisi - Quick Disconnect Wrist

| Part Number | Size | Left/Right | Description      | Wrist Unit Option | Male Glove Number | Female Glove Number |
|-------------|------|------------|------------------|-------------------|-------------------|---------------------|
| 1 KIN725LQD | 7¼   | Left       | Adolescent/Adult | 45mm (1¾")        | 306               | 304                 |
| KIN725RQD   | 7¼   | Right      | Adolescent/Adult | 45mm (1¾")        | 307               | 305                 |
| KIN775LQD   | 7¾   | Left       | Adult            | 50mm (2")         | 302               | 312                 |
| KIN775RQD   | 7¾   | Right      | Adult            | 50mm (2")         | 303               | 313                 |
| KIN825LQD   | 8¼   | Left       | Adult            | 54mm (2 1/8")     | 300               | N/A                 |
| KIN825RQD   | 8¼   | Right      | Adult            | 54mm (2 1/8")     | 301               | N/A                 |

### Myo Kinisi - Friction Wrist

| Part Number | Size | Left/Right | Description      | Wrist Unit Option | Male Glove Number | Female Glove Number |
|-------------|------|------------|------------------|-------------------|-------------------|---------------------|
| 2 KIN725LFW | 7¼   | Left       | Adolescent/Adult | 50mm (2")         | 306               | 304                 |
| KIN725RFW   | 7¼   | Right      | Adolescent/Adult | 50mm (2")         | 307               | 305                 |
| KIN775LFW   | 7¾   | Left       | Adult            | 54mm (2 1/8")     | 302               | 312                 |
| KIN775RFW   | 7¾   | Right      | Adult            | 54mm (2 1/8")     | 303               | 313                 |
| KIN825LFW   | 8¼   | Left       | Adult            | 54mm (2 1/8")     | 300               | N/A                 |
| KIN825RFW   | 8¼   | Right      | Adult            | 54mm (2 1/8")     | 301               | N/A                 |

### Myo Kinisi - North American Thread (½" x 20 TPI)

| Part Number | Size | Left/Right | Description      | Wrist Unit Option | Male Glove Number | Female Glove Number |
|-------------|------|------------|------------------|-------------------|-------------------|---------------------|
| 3 KIN725LNA | 7¼   | Left       | Adolescent/Adult | 45mm (1¾")        | 306               | 304                 |
| KIN725RNA   | 7¼   | Right      | Adolescent/Adult | 45mm (1¾")        | 307               | 305                 |
| KIN775LNA   | 7¾   | Left       | Adult            | 50mm (2")         | 302               | 312                 |
| KIN775RNA   | 7¾   | Right      | Adult            | 50mm (2")         | 303               | 313                 |
| KIN825LNA   | 8¼   | Left       | Adult            | 54mm (2 1/8")     | 300               | N/A                 |
| KIN825RNA   | 8¼   | Right      | Adult            | 54mm (2 1/8")     | 301               | N/A                 |

### Myo Kinisi - European Thread (M12 x 1.5mm)

| Part Number | Size | Left/Right | Description      | Wrist Unit Option | Male Glove Number | Female Glove Number |
|-------------|------|------------|------------------|-------------------|-------------------|---------------------|
| 4 KIN725LEU | 7¼   | Left       | Adolescent/Adult | 45mm (1¾")        | 306               | 304                 |
| KIN725REU   | 7¼   | Right      | Adolescent/Adult | 45mm (1¾")        | 307               | 305                 |
| KIN775LEU   | 7¾   | Left       | Adult            | 50mm (2")         | 302               | 312                 |
| KIN775REU   | 7¾   | Right      | Adult            | 50mm (2")         | 303               | 313                 |
| KIN825LEU   | 8¼   | Left       | Adult            | 54mm (2 1/8")     | 300               | N/A                 |
| KIN825REU   | 8¼   | Right      | Adult            | 54mm (2 1/8")     | 301               | N/A                 |



**Steeper Configuration Device for Myo Kinisi**

The Myo Kinisi can be set up in combination with the Steeper Configuration Device - a programming hub designed to manipulate the input thresholds of the device.

The Steeper Configuration Device allows the clinician to customise the standard hand settings to suit each individual patient's ability and requirements. A variety of parameters can be adjusted, including enabling/disabling the auto-grip, changing the control strategy, and adjusting the speed thresholds.

Information on how to use the Steeper Configuration Device can be found within the technical manual, which can be downloaded at [www.steepergroup.com](http://www.steepergroup.com)

For training and more details on the Steeper Configuration Device, visit [www.upskillbysteepers.com](http://www.upskillbysteepers.com)

| Part Number | Description   |
|-------------|---|
| MYO-CFG     | A single Configuration Device can be used to program multiple myoelectric hands. Supplied with B33680 Power Supply Cable and B33664 Wrist Connection Cable. |

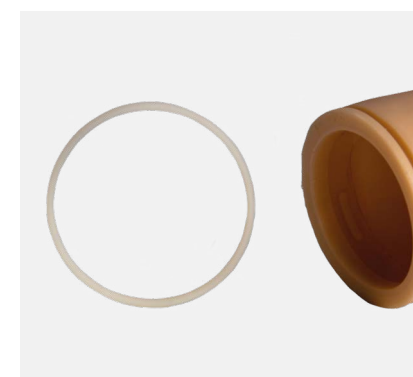
| Spare Parts |                                 |  |
|-------------|---------------------------------|--|
| Part Number | Description                     |  |
| B33680      | Power Supply Cable (Input)      | For use with the Steeper Configuration Device, when programming a Myo Kinisi hand with friction or threaded stem wrist option. In combination with CBBHA72, this cable connects the power and input signals (from the forearm) to the Configuration Device. A Wrist connection cable (B33664) is also required to connect to the hand and can be purchased separately. |
| B33664      | Wrist Connection Cable (Output) | For use with the Steeper Configuration Device, when programming a Myo Kinisi hand with friction or threaded stem wrist option. This cable connects the Configuration Device to the Myo Kinisi hand. A Power Supply Cable (B22680) is also required to connect to the forearm and can be purchased separately.  |



**Myo Kinisi Hand Shell (including retention ring)**

Durable hand shell for the Myo Kinisi manufactured from PVC.

| Part Number | Size | Left/Right |
|-------------|------|------------|
| IHKIN-725L  | 7 ¼  | Left       |
| IHKIN-725R  | 7 ¼  | Right      |
| IHKIN-775L  | 7 ¾  | Left       |
| IHKIN-775R  | 7 ¾  | Right      |
| IHKIN-825L  | 8 ¼  | Left       |
| IHKIN-825R  | 8 ¼  | Right      |



**Myo Kinisi Hand Shell Retention Ring**

| Part Number | Size | Left/Right    | Diameter       |
|-------------|------|---------------|----------------|
| B33815      | 7 ¼  | Left or Right | 49mm (2")      |
| B33816      | 7 ¾  | Left or Right | 53mm (2 1/16") |
| B33817      | 8 ¼  | Left or Right | 58mm (2 1/4")  |



**Finger Palp Kit - Myo Kinisi**

Spare finger (2) and thumb (1) palps (tips) for the Myo Kinisi hand.

| Part Number | Size          | Left/Right    |
|-------------|---------------|---------------|
| KINPALP     | 7 ¼, 7 ¾, 8 ¼ | Left or Right |



## Junior Myo

The Junior Myo is a myoelectric hand, designed as a highly functional introductory prosthesis suitable for children aged 8 - 12 years. Offering a grip force of 40N and will fully close from an open position in 1.5 seconds; making this device the ideal starting point for youngsters wishing to harness the functionality and benefit of a myoelectric hand, allowing activities of daily living to be carried out safely with ease.

Prosthetists can select from 9 control modes to choose the most appropriate for the patient by using the dial switch feature. The hand can be operated via a switch or myoelectrodes and features a high grade aluminium chassis with a durable PVC shell.

Recommended for use with the Steeper S-Charge internal power system and the range of Elegance PVC gloves for an easy to clean and robust cosmesis.

### Features and Benefits

- Controlled with myoelectrodes or switch inputs
- 40N grip strength offers functionality whilst remaining safe
- 1.5 seconds from fully open to fully closed position allows children the time to operate the device with ease
- Internal safety mechanism for added reassurance
- Nine control modules
- Electronic 'gear change'
- 4 wrist options available
- Operating voltage 7.2V DC



| Junior Myo  |           |            |                   |                                     |                   |                     |     |
|-------------|-----------|------------|-------------------|-------------------------------------|-------------------|---------------------|-----|
| Part Number | Size      | Left/Right | Wrist Unit Option | Wrist Unit Size                     | Male Glove Number | Female Glove Number |     |
| 1           | MYA675LQD | 6 ¾        | Left              | Quick Disconnect                    | 40mm (1 ½")       | 310                 | 310 |
|             | MYA675RQD | 6 ¾        | Right             | Quick Disconnect                    | 40mm (1 ½")       | 311                 | 311 |
| 2           | MYA675LFW | 6 ¾        | Left              | Friction                            | 45mm (1 ¾")       | 310                 | 310 |
|             | MYA675RFW | 6 ¾        | Right             | Friction                            | 45mm (1 ¾")       | 311                 | 311 |
| 3           | MYA675LNA | 6 ¾        | Left              | North American Thread (½" x 20 TPI) | 40mm (1 ½")       | 310                 | 310 |
|             | MYA675RNA | 6 ¾        | Right             | North American Thread (½" x 20 TPI) | 40mm (1 ½")       | 311                 | 311 |
| 4           | MYA675LEU | 6 ¾        | Left              | European Thread (M12 x 1.5mm)       | 40mm (1 ½")       | 310                 | 310 |
|             | MYA675REU | 6 ¾        | Right             | European Thread (M12 x 1.5mm)       | 40mm (1 ½")       | 311                 | 311 |

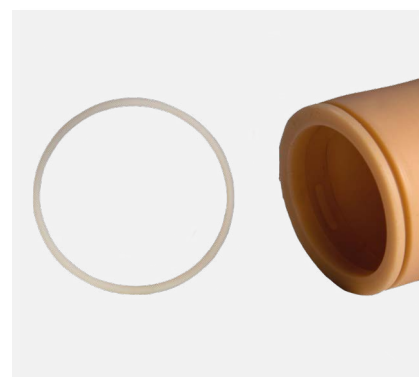
| Junior Myo Technical Information (with EQD Wrist) |                        |                           |               |                   |                         |  |
|---|------------------------|---------------------------|---------------|-------------------|-------------------------|--|
| Size  | Compatible wrist sizes | Time from full Open/Close | Grip Strength | Max Opening Width | Weight with Inner Glove | Length (Base of hand shell to thumb tip) |
| 6 ¾   | 40mm (1 ½")            | 1.5 Seconds               | 40N           | 65mm (2 ⅝")       | 320g (11oz)             | 116mm (4 ½")                             |



### Junior Myo Hand Shell (including retention ring)

Durable PVC hand shell for use with Junior Myo, includes retention ring.

| Part Number | Size | Left/Right |
|-------------|------|------------|
| IHA675L     | 6 ¾  | Left       |
| IHA675R     | 6 ¾  | Right      |



### Junior Myo Hand Shell Retention Ring

| Part Number | Size | Left/Right    | Diameter    | Description              |
|-------------|------|---------------|-------------|--------------------------|
| B25330      | 6 ¾  | Left or Right | 46mm (1 ¾") | For EQD Hands            |
| B25320      | 6 ¾  | Left or Right | 46mm (1 ¾") | For Friction Wrist Hands |



**Quick Disconnect Wrist Unit**

The Quick Disconnect Wrist connects a myoelectric terminal device to a forearm and custom socket. The forearm can be formed using a blank to fit the lamination ring, which can be easily bonded into place.

Inside the laminating ring the coaxial plug is held in place by a coupling piece and allows a myoelectric hand, battery system and electrode cables to be connected using 2 and 3-pin connectors. The complete Quick Disconnect Wrist allows full rotation and interchanging of the terminal device.

| Part Number | Description  | Hand Size | Height    | Weight       |
|-------------|--|-----------|-----------|--------------|
| QDAWA-40    | 40mm Wrist Assembly. Includes Lamination Ring, Coupling Piece and Coaxial Plug | 6 ¾       | 20mm (¾") | 30g (1 ⅜ oz) |
| QDAWA-45    | 45mm Wrist Assembly. Includes Lamination Ring, Coupling Piece and Coaxial Plug | 7 ¼       | 23mm (1") | 38g (1 ⅜ oz) |
| QDAWA-50    | 50mm Wrist Assembly. Includes Lamination Ring, Coupling Piece and Coaxial Plug | 7 ¾       | 23mm (1") | 42g (1 ½ oz) |
| QDAWA-54    | 54mm Wrist Assembly. Includes Lamination Ring, Coupling Piece and Coaxial Plug | 8 ¼       | 23mm (1") | 42g (1 ½ oz) |

**Quick Disconnect Wrist - Spares**

Coupling Piece is suitable for all wrist size variants. Includes lock ring.

Coaxial Plug is suitable for all wrist size variants. Includes lock ring and screw.



| Part Number       | Description                        | Hand Size | Height      |
|-------------------|------------------------------------|-----------|-------------|
| <b>1</b> QDALR-40 | 40mm Lamination Ring               | 6 ¾       | 20mm (¾")   |
| QDALR-45          | 45mm Lamination Ring               | 7 ¼       | 23mm (7/8") |
| QDALR-50          | 50mm Lamination Ring               | 7 ¾       | 23mm (7/8") |
| QDALR-54          | 54mm Lamination Ring               | 8 ¼       | 23mm (7/8") |
| <b>1a</b> QDACP   | Coupling Piece Kit                 |           |             |
| B26519            | Spare Lock Ring for Coupling Piece |           |             |
| <b>1b</b> QDACO   | Coaxial Plug Kit                   |           |             |
| B26502            | Spare Lock Ring for Coaxial Plug   |           |             |
| NSC0412           | Spare Screw for Coaxial Plug       |           |             |



Discover the Steeper Online Learning Platform



**UpSkill by Steeper**

Our online training platform is designed for prosthetists, prosthetic technicians and distributor partners. Providing exclusive access to courses on the Steeper product range, [www.upskillbysteeper.com](http://www.upskillbysteeper.com) includes courses on the Espire Elbow and Myoelectric System, plus online webinars hosted by our Clinical Team and initial previews of the latest innovations.

Request your enrolment key by emailing [education@steepergroup.com](mailto:education@steepergroup.com).





Myoelectric elbows are powered devices that can be used in conjunction with a variety of powered terminal devices to help the user carry out their daily activities with ease. Offered with a variety of features to suit patient needs including natural free swing, electronic or manual locks.

The Espire™ Elbow is designed to emulate the anatomical shape of the forearm and wrist, to appeal to a wide range of patients.

The entire range is compatible with a variety of terminal devices on the market, and can be programmed to fit individual needs for everyday tasks.

A range of courses about the Espire Elbow range is available on UpSkill by Steeper, our comprehensive online learning tool. You will see the UpSkill shield where courses are available.

# Espire™ Elbow Pro

The Espire Pro is a revolutionary powered elbow, designed to mimic anatomical shape whilst being intuitive and easy to use. This reliable device offers the patient a removable battery, electric lock, and free swing options.

Compatible with most terminal devices, the elbow comes with two removable 3000mAh batteries which are designed to provide a full day of function each - even when using a powered wrist rotator and multi-articulating hand.

The Pro is easily programmed using the Espire Hub iPad App which uses a Bluetooth connection to customise the device according to the patient's requirements, and also control the movement strategy of the elbow.

For training and more details visit [www.upskillbysteep.com](http://www.upskillbysteep.com)



## Features and Benefits

- Powered elbow with powered flexion and extension
- Infinite locking positions with the electric locking mechanism
- Centre of mass is optimally positioned as proximal as possible on the device so it is comfortable to wear and feels lightweight
- Gear box control allows user to lift 4kg of weight, and hold 11.3kg
- Power buttons are positioned discreetly on the underside of the device and recessed to prevent accidental operation
- Can be programmed via the Hub App for iPad to automatically enter free swing or via patient input signal (an iPad is supplied with clinic's first purchase)
- A single, multi-coloured LED indicator displays information such as battery life, calibration processes and system errors
- Compatible with advanced control options including the Coapt or IBT pattern recognition technology
- Provided with two removable batteries, fully charged in 3½ hours
- Compatible with inputs including TruSignal Electrodes, DC Electrodes, Touch Pads and Linear Transducers
- Connector cables available for standard inputs, see cables on p.49
- Anatomically shaped with a natural resting position
- Minimal servicing with 2 year warranty, extended warranty option for a further 3 years
- Accommodates 12 input and 4 output connections
- Compatible with the electronic Axis Shoulder, see p.158-9 for more information
- Three standard finishes; Brown, Caucasian and Black
- Three enhanced finishes; Pearlescent White, Metallic Silver and Carbon Fibre available, additional charges may apply
- Custom finishes available, see [www.steepergroup.com](http://www.steepergroup.com) for more details

## Espire™ Pro Technical Information

| Elbow Lock | Locking Positions | Max. Lifting Force  | Flexion Angle | Speed  | Weight Limit  |
|------------|-------------------|---------------------|---------------|--------|---------------|
| Electronic | Infinite          | 13.6 N-m (10 ft-lb) | -5 - 135°     | 135°/s | 11.3kg (25lb) |

| Mode of Operation  | Connections |         | Battery Type                             | Battery Charge Time      | Warranty   |
|--|-------------|---------|--|--------------------------|--|
|  | Inputs      | Outputs |  |                          |  |
| The voltage is regulated by the elbow to meet the terminal device demand | 12          | 4       | Removable Smart Li-ion 10.8 V, 3,000 mAh | 3½ hours for full charge | 2 years (additional 3 year warranty available to purchase) |

## Espire™ Pro Ordering Information

| Part ID | Side | Colour | Size | Pattern Recognition* |
|---------|------|--------|------|----------------------|
| EEP     | -    |        |      | -                    |

|       |   |              |     |          |   |       |             |
|-------|---|--------------|-----|----------|---|-------|-------------|
| Left  | L | Brown        | B   | Small    | S | Coapt | CO          |
| Right | R | Caucasian    | C   | Standard | D | IBT   | IBT         |
|       |   | Jet Black    | J   |          |   | None  | Leave blank |
|       |   | Silver       | S   |          |   |       |             |
|       |   | White        | W   |          |   |       |             |
|       |   | Black        |     |          |   |       |             |
|       |   | Carbon Fibre | 001 |          |   |       |             |

\*This information is required to ensure the appropriate circuit board is pre-installed to the Espire Elbow input connector board. The Complete Control Gen 2 must be ordered directly from Coapt, and the IBT Sense ordered from IBT.

Please specify region when placing order so we can supply the correct charger.

### Example Part Number:

Espire Pro Elbow, Left, Jet Black, Standard size, with IBT pattern recognition: **EEP-LJD-IBT**

Turn to p. 40- 41 for order form.

### Espire Pro Elbow 3 Year Extended Warranty

Part Number      EEP-WAR3

### Items included in the Box

- Espire Elbow
- Lamination Collar and Clamp Ring
- Lamination Dummy
- Strain Relief Disc
- 2 Lithium-Ion Batteries
- Battery Charger with Adapter
- iPad (included with first purchase of Pro/Hybrid model only)



## Espire™ Elbow Hybrid

The Espire Hybrid offers myoelectric control of the elbow lock and terminal device with mechanical flexion and extension control. To counteract the effects of gravity, the elbow will counterbalance the forearm, wrist, and terminal device.

The myoelectric input capabilities of the device allow it to control terminal devices, and retain an anatomical shape whilst being both high-tech and lightweight.

The Hybrid is easily programmed using the Espire Hub iPad App, which uses a wireless, Bluetooth connection to enable prosthetists to customise the device according to the patient's preference, and also control the movement strategy of the elbow.

For training and more details visit [www.upskillbysteep.com](http://www.upskillbysteep.com)



### Features and Benefits

- Mechanically controlled flexion and extension
- 13 locking positions
- Adjustable counterbalance feature for ease of positioning and a lightweight feel
- Provided with two 3000mAh removable batteries, fully charged in 3½ hours
- Allows the user to hold 11.3kg
- Secure, intuitive electric lock which can be controlled via a selection of inputs
- Power buttons are positioned discreetly on the underside of the device and recessed to prevent accidental operation
- Compatible with industry standard electrodes, touch pad, linear transducer and TruSignal™ inputs, as shown on p. 47
- Connector cables available for standard inputs, see cables on p. 49
- Compatible with advanced control options including the Coapt or IBT pattern recognition technology
- Can be programmed via the Hub App for iPad to suit patient requirements (an iPad is supplied with first clinic purchase)
- Anatomically shaped with a natural resting position
- Minimal servicing with 2 year warranty, extended warranty option for a further 3 years
- Accommodates 12 input and 4 output connections
- Compatible with the electronic Axis Shoulder, see p.158-9 for more information
- Three standard finishes; Brown, Caucasian and Black
- Three enhanced finishes; Pearlescent White, Metallic Silver and Carbon Fibre available. additional charges may apply
- Custom finishes available, see [www.steepergroup.com](http://www.steepergroup.com) for more details

### Espire™ Hybrid Technical Information

| Elbow Joint Control | Elbow Lock | Locking Positions | Lift Compensation | Dial Placement Options | Flexion Angle | Terminal Device Control |
|---------------------|------------|-------------------|-------------------|------------------------|---------------|-------------------------|
| Mechanical          | Electronic | 13                | Counterbalance    | Medial or Lateral      | -5 - 135°     | Electronic              |

| Mode of Operation  | Connections |         | Battery Type                             | Battery Charge Time      | Warranty  |
|--|-------------|---------|--|--------------------------|---|
|  | Inputs      | Outputs |  |                          |   |
| The voltage is regulated by the elbow to meet the terminal device demand | 12          | 4       | Removable Smart Li-ion 10.8 V, 3,000 mAh | 3½ hours for full charge | 2 years (additional 3 year warranty available for purchase) |

### Espire™ Hybrid Ordering Information

| Part ID | Side | Colour | Dial Placement | Size | Pattern Recognition* |
|---------|------|--------|----------------|------|----------------------|
| EEH     | -    |        |                |      | -                    |

|       |          |              |            |         |          |          |          |       |                    |
|-------|----------|--------------|------------|---------|----------|----------|----------|-------|--------------------|
| Left  | <b>L</b> | Brown        | <b>B</b>   | Lateral | <b>L</b> | Small    | <b>S</b> | Coapt | <b>CO</b>          |
| Right | <b>R</b> | Caucasian    | <b>C</b>   | Medial  | <b>M</b> | Standard | <b>D</b> | IBT   | <b>IBT</b>         |
|       |          | Jet Black    | <b>J</b>   |         |          |          |          | None  | <b>Leave blank</b> |
|       |          | Silver       | <b>S</b>   |         |          |          |          |       |                    |
|       |          | White        | <b>W</b>   |         |          |          |          |       |                    |
|       |          | Black        | <b>001</b> |         |          |          |          |       |                    |
|       |          | Carbon Fibre | <b>001</b> |         |          |          |          |       |                    |

\*This information is required to ensure the appropriate circuit board is pre-installed to the Espire Elbow input connector board. The Complete Control Gen 2 must be ordered directly from Coapt, and the IBT Sense ordered from IBT.

Please specify region when placing order so we can supply the correct charger.

#### Example Part Number:

Espire Hybrid Elbow, Left, Jet Black, Medial Dial, Standard size with IBT pattern recognition: **EEH-LJMD-IBT**

Turn to p. 40-41 for order form.

#### Espire Hybrid Elbow 3 Year Extended Warranty

Part Number EEH-WAR3

#### Items included in the box

- Espire Elbow
- Lamination Collar and Clamp Ring
- Lamination Dummy
- Strain Relief Disc
- 2 Lithium-Ion Batteries
- Battery Charger with Adapter
- iPad (included with first purchase of Pro/Hybrid model only)
- Forearm Cable Lift Kit (optional extra)

# Espire™ Elbow Classic Plus

The Classic Plus model is a mechanical elbow featuring a forearm counterbalancing mechanism, and a manual lock to allow the patient to freely position the device with minimal effort. The elbow lock is controlled via a cable on the device with a simple upwards pull which can be done with the sound hand or via another body movement captured through a harness. Humeral rotation can be controlled via means of friction adjustment.

Pass through electronics allow various inputs and batteries to be attached using a plug-in board, which are then routed through the elbow to the distal end to enable the use of a wide range of terminal devices.

For training and more details on how to order visit [www.upskillbysteep.com](http://www.upskillbysteep.com)



### Features and Benefits

- Counterbalance mechanism comfortably offsets the weight of the forearm, wrist and terminal device
- Pass through electronics allow the control of powered terminal devices
- Anatomically shaped with a natural resting position
- Two dial placement options available: lateral or medial to adjust the counterbalance mechanism
- Mechanical locking mechanism that can be locked or unlocked under load, with a maximum holding limit of 11.3kg
- Accommodates 4 input and 4 output connections, located at the proximal and distal ends of the elbow
- Built-in battery compartment to locate a third-party battery
- Compatible with the S-Charge System p.52
- No external cables are required
- Minimal servicing required
- Compatible with the Exo and Endo Axis Shoulder, see p.158-9 for more information
- Three standard finishes; Brown, Caucasian and Black
- Three enhanced finishes; Pearlescent White, Metallic Silver and Carbon Fibre available. additional charges may apply
- Custom finishes available, see [www.steepergroup.com](http://www.steepergroup.com) for more details



### Espire™ Classic Plus Technical Information

| Elbow Joint Control | Elbow Lock | Locking Positions | Lift Compensation | Dial Placement Options | Flexion Angle | Terminal Device Control |
|---------------------|------------|-------------------|-------------------|------------------------|---------------|-------------------------|
| Mechanical          | Manual     | 13                | Counterbalance    | Medial or Lateral      | -5 - 135°     | Electronic & Mechanical |

| Mode of Operation  | Connections |         | Battery Type  | Battery Charge Time             | Warranty |
|--|-------------|---------|---|---------------------------------|----------|
|  | Inputs      | Outputs |   |                                 |          |
| The voltage for the terminal device is supplied by the battery system chosen | 4           | 4       | Battery compartment or use with S-Charge System or systems from other manufacturers | See manufacturers' instructions | 1 Year   |

### Espire™ Classic Plus Ordering Information

| Part ID | Side                            | Colour  | Dial Placement                      | Size                                |
|---------|---------------------------------|---|-------------------------------------|-------------------------------------|
| EECP    | -                               |   |                                     |                                     |
|         | Left <b>L</b><br>Right <b>R</b> | Brown <b>B</b><br>Caucasian <b>C</b><br>Jet Black <b>J</b><br>Silver <b>S</b><br>White <b>W</b><br>Black<br>Carbon Fibre <b>001</b> | Lateral <b>L</b><br>Medial <b>M</b> | Small <b>S</b><br>Standard <b>D</b> |

**Example Part Number:**  
Espire Classic Plus Elbow, Left, Jet Black, Medial Dial, Standard size: **EECP-LJMD**

Turn to p. 40-41 for order form.



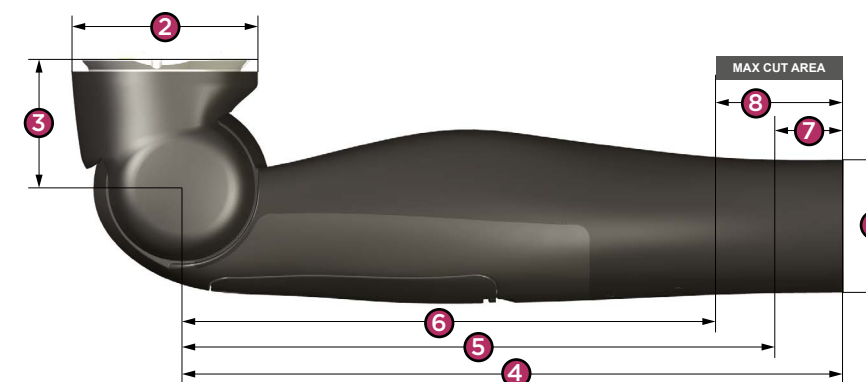
## Espire™ Elbow Comparison Chart

This helpful comparison chart table will allow you to choose the most appropriate model for your patient's requirements.

For training and more details on how to order visit [www.upskillbysteep.com](http://www.upskillbysteep.com)

|                            |   | Pro                | Hybrid             | Classic Plus          |
|----------------------------|---|--------------------|--------------------|-----------------------|
| Elbow Joint Control        | Motor Driven                              | ●                  |                    |                       |
|                            | Max Lifting Force (active lift)           | 10ft-lb (13N-m)    |                    |                       |
|                            | Speed (pre-set control)                   | 135°/sec           |                    |                       |
|                            | Mechanical                                |                    | ●                  | ●                     |
|                            | Lift Compensation                         |                    | Counterbalance     | Counterbalance        |
| Elbow Lock                 | Locking positions                         | Infinite           | 13                 | 13                    |
|                            | Automatic Lock                            | ●                  |                    |                       |
|                            | Automatic Free Swing                      | ●                  |                    |                       |
|                            | Electric Lock                             |                    | ●                  |                       |
|                            | Manual Lock                               |                    |                    | ●                     |
| Terminal Device Control    | Electronic                                | ●                  | ●                  | ●                     |
|                            | Mechanical                                |                    |                    | ●                     |
| Electronic Control Options | Inputs (myo, touch pads, transducers etc) | 12                 | 12                 | 4                     |
|                            | AC Electrodes with TruSignal™             | Available          | Available          |                       |
|                            | Auto Calibration                          | ●                  | ●                  |                       |
|                            | Advanced Control Options                  | ●                  | ●                  |                       |
|                            | TMR                                       | Compatible         | Compatible         |                       |
|                            | Pattern Recognition (CoApt etc)           | Available          | Available          |                       |
|                            | Outputs (terminal devices, wrists etc)    | 4                  | 4                  | 4                     |
|                            | Advanced Grip Control                     | Available          | Available          |                       |
|                            | Shoulder Electric Lock                    | Available          | Available          |                       |
| Digital Setup              | Wireless Setup                            | Bluetooth 4.2      | Bluetooth 4.2      |                       |
|                            | Setup Software                            | Espire Hub™ App    | Espire Hub™ App    |                       |
|                            | iPad included (with first purchase)       | ●                  | ●                  |                       |
| Power                      | Voltage (elbow)                           | 11.1V nominal      |                    |                       |
|                            | Voltage (hand)                            | 7.4V regulated     | 7.4V regulated     | Refer to manufacturer |
|                            | Battery                                   | (2) 3000mAh Li-ion | (2) 3000mAh Li-ion | Refer to manufacturer |
|                            | Time to full charge                       | 3.5 hours          | 3.5 hours          | Refer to manufacturer |
|                            | Battery compartment                       | ●                  | ●                  | ●                     |
|                            | Third party battery option                |                    |                    | ●                     |
| Warranty                   | Charger                                   | Single or Dual-Bay | Single or Dual-Bay | Refer to manufacturer |
|                            | Warranty                                  | 2 years            | 2 years            | 1 year                |
|                            | Extended Warranty                         | 3 years            | 3 years            |                       |

## Espire™ Dimensions



|   | Dimension                        | Measured From                 | Small        | Standard      |
|---|----------------------------------|-------------------------------|--------------|---------------|
| 1 | Diameter - Wrist                 | ---                           | 45mm         | 50mm          |
| 2 | Diameter - Upper Arm Connection  | ---                           | 70mm (2 ¾")  | 70mm (2 ¾")   |
| 3 | Minimum Build Height             | Residual Limb to Elbow Centre | 48mm (1 ⅞")  | 48mm (1 ⅞")   |
| 4 | Overall Length                   | Elbow Centre                  | 248mm (9 ¾") | 273mm (10 ¾") |
| 5 | Minimum Length - w/rotator       | Elbow Centre                  | 222mm (8 ¾") | 225mm (8 ⅞")  |
| 6 | Minimum Length - w/out rotator   | Elbow Centre                  | 200mm (7 ⅞") | 225mm (8 ⅞")  |
| 7 | Maximum Cut Area - w/rotator     | Distal End                    | 25mm (1")    | 48mm (1 ⅞")   |
| 8 | Maximum Cut Area - w/out rotator | Distal End                    | 48mm (1 ⅞")  | 48mm (1 ⅞")   |

## Espire™ Weights

| Size            | Model           |              |                |
|-----------------|-----------------|--------------|----------------|
|                 | Pro             | Hybrid       | Classic Plus   |
| Small (45mm)    | 1075g (37 ⅞ oz) | 966g (34oz)  | 665g (23 ½ oz) |
| Standard (50mm) | 1095g (38 ⅝ oz) | 986g (35 oz) | 685g (24 oz)   |

# Espire Ordering Form



When ordering an Espire Elbow the full prescription must be known and all details specified as requested below to ensure the correct configuration at the point of manufacture. Each elbow is built to individual specification.

Further details are required by model; Pro (EEP), Hybrid (EEH) or Classic Plus (EECP). You will see the model number specified at the top of each instruction as to what detail to include, if not required for the model you are ordering, move to next instruction.

## 1. Select Espire Elbow Model EEP EEH EECP

Select model, side and colour for all models. The Espire Pro does not require a Dial Location. Pattern recognition is not available on the Espire Classic Plus.

|                 |  |            |  |                      |  |            |  |            |  |               |  |
|-----------------|--|------------|--|----------------------|--|------------|--|------------|--|---------------|--|
| <b>EEP/H/CP</b> |  | <b>L/R</b> |  | <b>B/C/J/S/W/001</b> |  | <b>M/L</b> |  | <b>D/S</b> |  | <b>CO/IBT</b> |  |
|-----------------|--|------------|--|----------------------|--|------------|--|------------|--|---------------|--|

| Model        | Code | Side  | Code | Colour              | Code | Size     | Code | Pattern Recognition* | Code        | Dial Location | Code        |
|--------------|------|-------|------|---------------------|------|----------|------|----------------------|-------------|---------------|-------------|
| Pro          | P    | Left  | L    | Brown               | B    | Standard | D    | Coapt                | CO          | Medial        | M           |
| Hybrid       | H    | Right | R    | Caucasian           | C    | Small    | S    | IBT                  | IBT         | Lateral       | L           |
| Classic Plus | CP   |       |      | Jet Black           | J    |          |      | None                 | Leave blank | None          | Leave blank |
|              |      |       |      | Silver              | S    |          |      |                      |             |               |             |
|              |      |       |      | White               | W    |          |      |                      |             |               |             |
|              |      |       |      | Black Carbon Finish | 001  |          |      |                      |             |               |             |
|              |      |       |      | Custom Colour*      |      |          |      |                      |             |               |             |

\*Please specify upon ordering

\*This information is required to ensure the appropriate circuit board is pre-installed to the Espire Pro or Hybrid Elbow input connector board. The Complete Control Gen 2 must be ordered directly from Coapt, and the IBT Sense ordered from IBT.

## 2. Select Cable Accessories EEP EEH EECP

Forearm Cable Lift Kit  For medial standard (EE-FCL-E)  All other models (EE-FCL-S)

Control cables and suspension kits are available for EEH and EECP, see pages 47 and 160 for more information.

## 3. Select Inputs EEP EEH EECP

Input option must be specified at the point of order. Below and opposite you will find the options available by Espire model type.

## TruSignal A/C Electrodes EEP EEH EECP

TruSignal A/C Electrode Kits (includes circuit board EE-CB-TL)

|           |            |                |                 |              |
|-----------|------------|----------------|-----------------|--------------|
| <b>CP</b> | <b>TLE</b> | <b>1/2/4/6</b> | <b>06/12/24</b> | <b>L/M/P</b> |
|-----------|------------|----------------|-----------------|--------------|

| No. of sites | Code | Cable Length | Code | Dome Size | Code |
|--------------|------|--------------|------|-----------|------|
| 1 site       | 1    | 15cm (6")    | 06   | Large     | L    |
| 2 site       | 2    | 30.5cm (12") | 12   | Medium    | M    |
| 4 site       | 4    | 61cm (24")   | 24   | Pediatric | P    |
| 6 site       | 6    |              |      |           |      |

## Steeper D/C Cased Electrodes EEP EEH EECP

Steeper Myoelectric D/C Cased Electrodes Qty: \_\_\_\_

|             |              |
|-------------|--------------|
| <b>ELEC</b> | <b>50/60</b> |
|-------------|--------------|

| Electrode Hz | Code |
|--------------|------|
| 50Hz         | 50   |
| 60Hz         | 60   |

Steeper Myoelectric Electrodes Seal-In Kit Qty: \_\_\_\_

|             |              |
|-------------|--------------|
| <b>ELSK</b> | <b>50/60</b> |
|-------------|--------------|

## Additional Input Options EEP EEH EECP

### Linear Transducer

Steeper Linear Transducer (CP-LT-01 or CP-LT-02)

### Touch Pads

Touch Pad (CP-TP-01) Qty: \_\_\_\_

Touch Pad Cable (CP-TPC for EEP and EEH or CP-TPC400 or CP-TPC800 for EECP)

### Bump Switch

Espire Bump Switch (EE-BS)

### Third-Party Input

Device name and intended function: \_\_\_\_\_

## 4. Select Input Cables EEP EEH EECP

Espire D/C Cased Electrode Cable (EE-CP-DC) Qty: \_\_\_\_

300mm Electrode Cable (ECA-300) Qty: \_\_\_\_ EECP only

Espire Ottobock Electrode Cable (EE-OB-DC) Qty: \_\_\_\_

600mm Electrode Cable (ECA-600) Qty: \_\_\_\_

Espire Ottobock Dual Switch Cable (EE-OB-SC) Qty: \_\_\_\_

1000mm Electrode Cable (ECA-1000) Qty: \_\_\_\_

## 5. Specify Input Function EEP EEH EECP

Please list which input will be used to control each desired function.

Locking/Unlocking the Elbow \_\_\_\_\_ Pronating/Supinating the Wrist \_\_\_\_\_

Flexing/Extending the Elbow \_\_\_\_\_ Opening/Closing the Hand \_\_\_\_\_

### EEH - How will the electric lock be controlled?

Espire Touch Pad Kit (CP-TPK-01) Qty: \_\_\_\_

Myoelectric signal

Espire Bump Switch (EE-BS)

Ottobock 9X14 Harness Pull Switch, or 9X25 Rocker Switch (both ordered through third party). Espire Ottobock Switch Cable required (EE-OB-SC)

## 6. Specify Wrist and Terminal Device EEP EEH EECP

Steeper Quick Disconnect Wrist  45mm wrist (QDAWA-45)  50mm wrist (QDAWA-50)

### Third-Party Wrist

Wrist name and manufacturer: \_\_\_\_\_

### Terminal Device

Device name and manufacturer: \_\_\_\_\_

## 7. Additional Options EEP EEH EECP

The Espire Pro and Hybrid models are supplied with a single bay battery charger, for additional options including dual bay or car chargers please see p.44. **An additional 3 year warranty can be purchased for the Espire Pro and Hybrid models please see device page for details.** Espire Classic Plus can be utilised with Steeper battery systems such as the S-Charge; see p.52 for details or can accommodate other 3rd party battery systems.





The Steeper range of myoelectric power systems is designed to provide appropriate, consistent power to myoelectric devices. A range of input options offer prosthetists a choice of input control for their patients.

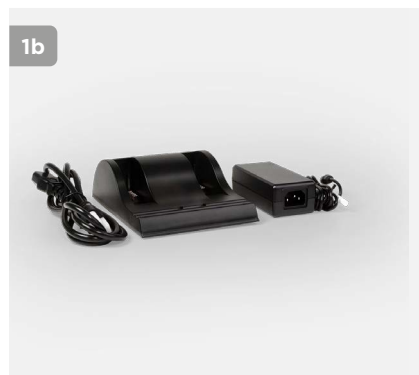
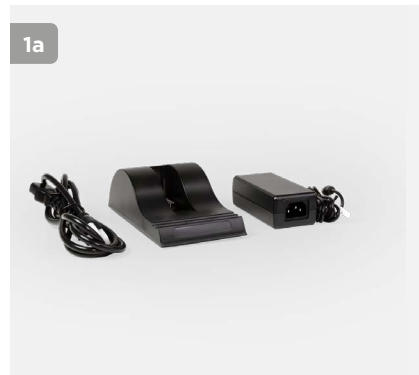
The range of inputs includes the sophisticated TruSignal™ electrodes, which amplify the signal given to control the Espire Pro or Hybrid, through to industry standard inputs such as DC myoelectrodes, touch pads and linear transducers.

Power solutions include the high capacity S-Charge System, housed inside a user's prosthesis or alternatively a forearm mounted system. Additional charging and battery accessories are available for the Espire Elbow.

- Upper Limb Prosthetics
- Ordering Information
- Myoelectric Hands
- Myoelectric Elbows
- Myoelectric Power & Inputs**
- Cable Operated & Spring Hands
- Functional Devices
- Cosmetic Hands & Gloves
- Modular Arm Systems
- Wrist Units
- Mech. Elbow Units & Joints
- Suspension & Control Systems
- Materials & Tools

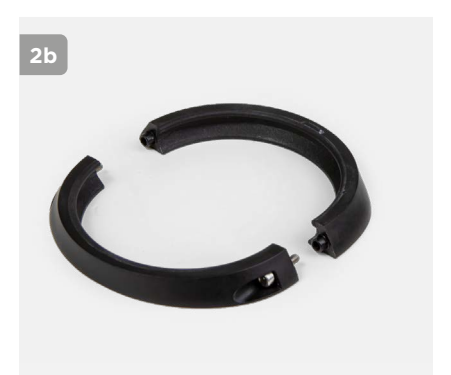
- Upper Limb Prosthetics
- Ordering Information
- Myoelectric Hands
- Myoelectric Elbows
- Myoelectric Power & Inputs**
- Cable Operated & Spring Hands
- Functional Devices
- Cosmetic Hands & Gloves
- Modular Arm Systems
- Wrist Units
- Mech. Elbow Units & Joints
- Suspension & Control Systems
- Materials & Tools

**Espire Elbow Spare Battery, Charging and Parts**



| Part Number | Description | Espire Model                                 |              |
|-------------|-------------|--|--------------|
| 1           | EE-BAT      | Espire Elbow Battery                         | Pro/Hybrid   |
| 1a          | EE-CH-1UK   | Espire Battery Charger - Single Bay (UK)     | Pro/Hybrid   |
|             | EE-CH-1EU   | Espire Battery Charger - Single Bay (Europe) | Pro/Hybrid   |
|             | EE-CH-1US   | Espire Battery Charger - Single Bay (US)     | Pro/Hybrid   |
| 1b          | EE-CH-2UK   | Espire Battery Charger - Dual Bay (UK)       | Pro/Hybrid   |
|             | EE-CH-2EU   | Espire Battery Charger - Dual Bay (Europe)   | Pro/Hybrid   |
|             | EE-CH-2US   | Espire Battery Charger - Dual Bay (US)       | Pro/Hybrid   |
| 1c          | EE-CCH-UK   | Espire Battery Car Charger (UK)              | Pro/Hybrid   |
|             | EE-CCH-EU   | Espire Battery Car Charger (Europe)          | Pro/Hybrid   |
|             | EE-CCH-US   | Espire Battery Car Charger (US)              | Pro/Hybrid   |
| 1d          | EEH-BDJ     | Battery Door - Jet Black                     | Pro/Hybrid   |
|             | EEH-BDC     | Battery Door - Caucasian                     | Pro/Hybrid   |
|             | EEH-BDB     | Battery Door - Brown                         | Pro/Hybrid   |
|             | EEH-BDS     | Battery Door - Silver                        | Pro/Hybrid   |
|             | EEH-BDW     | Battery Door - White                         | Pro/Hybrid   |
|             | EEH-BD001   | Battery Door - Carbon Fibre                  | Pro/Hybrid   |
|             | EECP-BDJ    | Battery Door - Jet Black                     | Classic Plus |
|             | EECP-BDC    | Battery Door - Caucasian                     | Classic Plus |
|             | EECP-BDB    | Battery Door - Brown                         | Classic Plus |
|             | EECP-BDS    | Battery Door - Silver                        | Classic Plus |
|             | EECP-BDW    | Battery Door - White                         | Classic Plus |
|             | EECP-BD001  | Battery Door - Carbon Fibre                  | Classic Plus |

**Espire Elbow Lamination Parts**



| Part Number | Description |   |
|-------------|-------------|---|
| 2           | EE-LK       | Espire Elbow Complete Lamination Kit (including screws) |
| 2a          | EE-LCO      | Espire Elbow Lamination Collar                          |
| 2b          | EE-LCP      | Espire Elbow Lamination Clamp                           |
| 2c          | EE-LD       | Espire Elbow Lamination Dummy                           |
| 2d          | EE-CS       | Espire Elbow Lamination Clamp Screws (2pc) M2.5 x 12mm  |

**Forearm Cable Lift Kit**

Lift-assist option for cable-controlled prostheses. Kits include a leather cable loop, 2-pc rivet, 10-32 fasteners (2), bushings (2), and a 7.6mm (1/4") drill bit with collar. To be used on the Espire Hybrid, Classic Plus, Classic and Basic.



| Part Number | Description                      | To Fit   |
|-------------|----------------------------------|--|
| EE-FCL-E    | Forearm Cable Lift Kit, Extended | Standard size elbows (50mm) with medial dial placement                         |
| EE-FCL-S    | Forearm Cable Lift Kit, Standard | All elbows <b>except</b> standard size (50mm) elbow with medial dial placement |





### A/C Myoelectrodes with TruSignal™ Technology

Specifically designed for use with the Espire Pro and Hybrid models, to allow proprietary myoelectric input, calibration of the myo-signal and adjustments can be made and verified using the Espire Hub App. Trusignal technology buffers a signal immediately, sending a cleaner signal to the microprocessor for amplification. Trusignal buffering and microprocessor amplification provides increased sensitivity for proportional control of the elbow, wrist, and hand for improved control at slower speeds. This is especially beneficial with weak myo-signals.

The Trusignal electrode domes are available in three sizes (Large, Medium, Paediatric) to achieve optimal skin contact and socket comfort.

Each Trusignal electrode kit includes a 12" AC Myo wire harness and 12" electrode ground wire harness with snap-electrode connection, and a set of metal electrode domes. The Medium dome is the standard or default if no other shape is specified. Espire Elbow and Trusignal Electrode Fabrication Instructions can be found at [www.steepergroup.com](http://www.steepergroup.com)

### TruSignal Electrodes Ordering Information

| Part ID |       | No. of Sites | Cable Length | Dome Size |   |
|---------|-------|--------------|--------------|-----------|---|
| CP      | - TLE | -            | -            | -         | - |

#### Example Part Number:

TruSignal AC Electrode Kit, 2 site, 12" cable length with medium dome size:  
**CP-TLE-212-M**

|        |          |             |           |            |          |
|--------|----------|-------------|-----------|------------|----------|
| 1 Site | <b>1</b> | 152mm (6")  | <b>06</b> | Large      | <b>L</b> |
| 2 Site | <b>2</b> | 305mm (12") | <b>12</b> | Medium     | <b>M</b> |
| 3 Site | <b>3</b> | 610mm (24") | <b>24</b> | Paediatric | <b>P</b> |
| 4 Site | <b>4</b> |             |           |            |          |

| Part Number | Description                 | Included in the Pack    | Diameter     | Dome Height   |
|-------------|-----------------------------|-------------------------|--------------|---------------|
| EE-CBK-TL   | TruSignal Circuit Board Kit | TruSignal Circuit Board |              |               |
| CP-TLE-2P-P | Spare Paediatric dome*      | 2 domes                 | 9.5mm (3/8") | 2.8mm (7/64") |
| CP-TLE-2P-M | Spare Medium dome*          | 2 domes                 | 14mm (9/16") | 3.4mm (5/8")  |
| CP-TLE-2P-L | Spare Large dome*           | 2 domes                 | 14mm (9/16") | 5mm (12/64")  |

\*Includes nut snap and 'o' rings

**Note:** TruSignal electrodes are only for use with the Espire Pro and Espire Hybrid.



### Espire Bump Switch

The bump switch can be mounted in an accessible position to control the power to a prosthesis and is supplied with a 500mm (20") cable. For use with the Steeper Espire Pro and Espire Hybrid elbow.

| Part Number | Description                                      |
|-------------|--|
| EE-BS       | Espire Bump Switch                               |
| EE-OB-RS    | Ottobock Rocker Switch (not pictured)            |
| EE-OB-SC    | Espire Ottobock Dual Switch Cable (not pictured) |

### Touch Pads

Touch Pads provide control and switching options for the Espire Elbow and is designed to be mounted into a socket. The control set up and adjustments to patient preferences can be configured using the Espire Hub App for iPad - see the Espire Hub App Technical Instructions for more details.

For use with the Espire Pro and Hybrid, as well as other terminal devices.



| Part Number         | Description   |
|---------------------|---|
| <b>1</b> CP-TPK-01  | Touch Pad with Cable for use with the Espire Elbow            |
| <b>1a</b> CP-TP-01  | Single Touch Pad  |
| <b>1b</b> CP-TPC    | Touch Pad Cable for Espire Elbow Pro and Hybrid               |
| <b>1c</b> CP-TPC400 | 400 mm (15 1/2") Touch Pad Cable with 3-pin terminal to cable |
| CP-TPC800           | 800 mm (31") Touch Pad Cable with 3-pin terminal to cable     |



### Linear Transducer

The Linear Transducer provides proportional servo control to a prosthetic elbow or terminal device. It consists of a linear potentiometer in a small housing with an attached 200mm (8") Bowden sheath. A Spectra cord (approx 584mm/23") exits the sheath and is supplied with a 1" plastic hanger for attaching to the harness. Pulling the cord changes the resistance of the potentiometer, thus changing the speed and position of the device.

For more information on mounting the Linear Transducer, please refer to the Technical Manual which can be found on [www.steepergroup.com](http://www.steepergroup.com)

| Part Number | Description  |
|-------------|--|
| CP-LT-01    | Linear Transducer for use with the Espire Pro and Hybrid |
| CP-LT-02    | Linear Transducer with 3 pin terminal to cable           |



**Myoelectrodes**

The Steeper Myoelectrode offers state-of-the-art electronics for outstanding capture and amplification from signals as low as 10µV. Bio-compatible titanium skin contacts provide superior conductivity. Suitable for either child or adult arm systems.

Please see the Electrode Technical Manual on how to install and adjust the gain on the electrodes.

**Note:** Check local power supply frequency. A map is available at [www.steepergroup.com](http://www.steepergroup.com)

| Part Number | Description             | Region*         | Power Supply |
|-------------|-------------------------|-----------------|--------------|
| 1           | ELEC50 Myoelectric 50Hz | UK, EU          | 5-19V DC     |
| 1a          | ELEC60 Myoelectric 60Hz | US, Canada, KSA | 5-19V DC     |

\*For all regions please see [www.steepergroup.com](http://www.steepergroup.com) for regional map.



**Electrode & Seal-In Kit**

The Seal-In Kit is designed for use with the supplied high performance ELEC50/ELEC60 Electrode.

The mounting method stabilises the electrode within the inner socket and allows a sealing gasket to maintain an airtight seal. This allows practical applications in suction sockets, providing excellent socket retention and maintenance of fit. The seal also helps to prevent moisture ingress from the inner socket. Each kit consists of the electrode of choice, and the necessary formers to manufacture in laminate, thermoplastic or silicone.

**Note:** Check local power supply frequency. A map is available at [www.steepergroup.com](http://www.steepergroup.com)

| Part Number | Description   | Region*         | Power Supply |
|-------------|---|-----------------|--------------|
| ELSK50      | Seal-In Kit plus Myoelectric 50Hz - Includes 50Hz Electrode | UK, EU          | 5-19V DC     |
| ELSK60      | Seal-In Kit plus Myoelectric 60Hz - Includes 60Hz Electrode | US, Canada, KSA | 5-19V DC     |

\*For all regions please see [www.steepergroup.com](http://www.steepergroup.com) for regional map.



**Seal-In Kit**

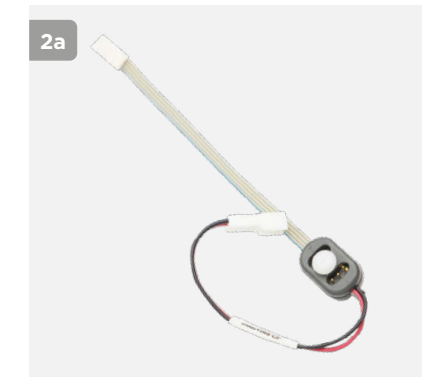
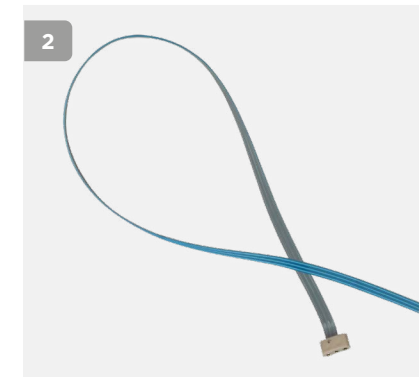
The Seal-In Kit is designed for use with the high performance ELEC50/ELEC60 Electrode.

The mounting method stabilises the electrode within the inner socket and allows a sealing gasket to maintain an airtight seal. This allows practical applications in suction sockets, providing excellent socket retention and maintenance of fit. The seal also helps to prevent moisture ingress from the inner socket. Each kit consists of the necessary formers to manufacture in laminate, thermoplastic or silicone.

| Part Number | Description |
|-------------|-------------|
| ELSK        | Seal-In Kit |

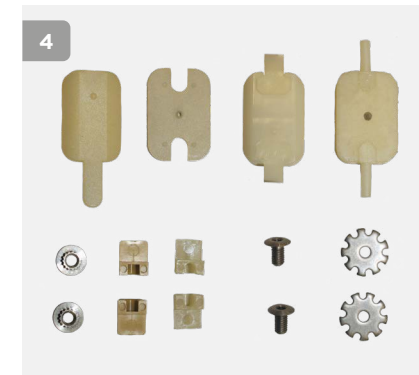
**Myoelectrode Cables**

To allow connection between ELEC50/ELEC60 Electrodes and the myoelectric wrist units with a variety of connection options.



| Part Number | Description   | Length           |
|-------------|---|------------------|
| 2           | ECA-300 Electrode Cable 3-pin terminal to cable   | 300mm (11 3/4")  |
|             | ECA-600 Electrode Cable 3-pin terminal to cable   | 600mm (23 5/8")  |
|             | ECA-1000 Electrode Cable 3-pin terminal to cable  | 1000mm (39 3/8") |
| 2a          | CBBHA72 Connector Block Cable for Lithium Polymer Battery Receptacle BHA72. Allows connection of one or two electrode cables and power supply to myoelectric hands with friction or threaded wrist. | 277mm (11")      |
| 3           | EE-CP-DC Espire DC Cased Electrode Cable  | 607mm (24")      |
|             | EE-OB-DC Espire Ottobock DC Cased Electrode Cable (not pictured)  | 607mm (24")      |

**Myoelectrode Spare Parts**



| Part Number | Description                           |
|-------------|---------------------------------------|
| 4           | ELECSP Electrode Forming Kit          |
| 4a          | B31058 Electrode Suspension Legs      |
| 4b          | B30819 Electrode Cable Retaining Plug |



**Silicone Grease**

Dc4 Electrical Compound Grease for installation of the electrode cable block.

| Part Number | Description     |
|-------------|-----------------|
| NLU0010     | Silicone Grease |



## S-Charge System

The S-Charge System is a user friendly internal battery system with an OLED Display and a magnetic charger, which can all be installed into a prosthesis. This allows the user to easily activate, deactivate, and charge their prosthesis whilst confidently monitoring the power status through the display of real-time battery life icons.

The 3500S Battery Pack provides up to 3500mAh to a terminal device, making it one of the most powerful battery systems on the market.

For training and more details visit [www.upskillbysteep.com](http://www.upskillbysteep.com)

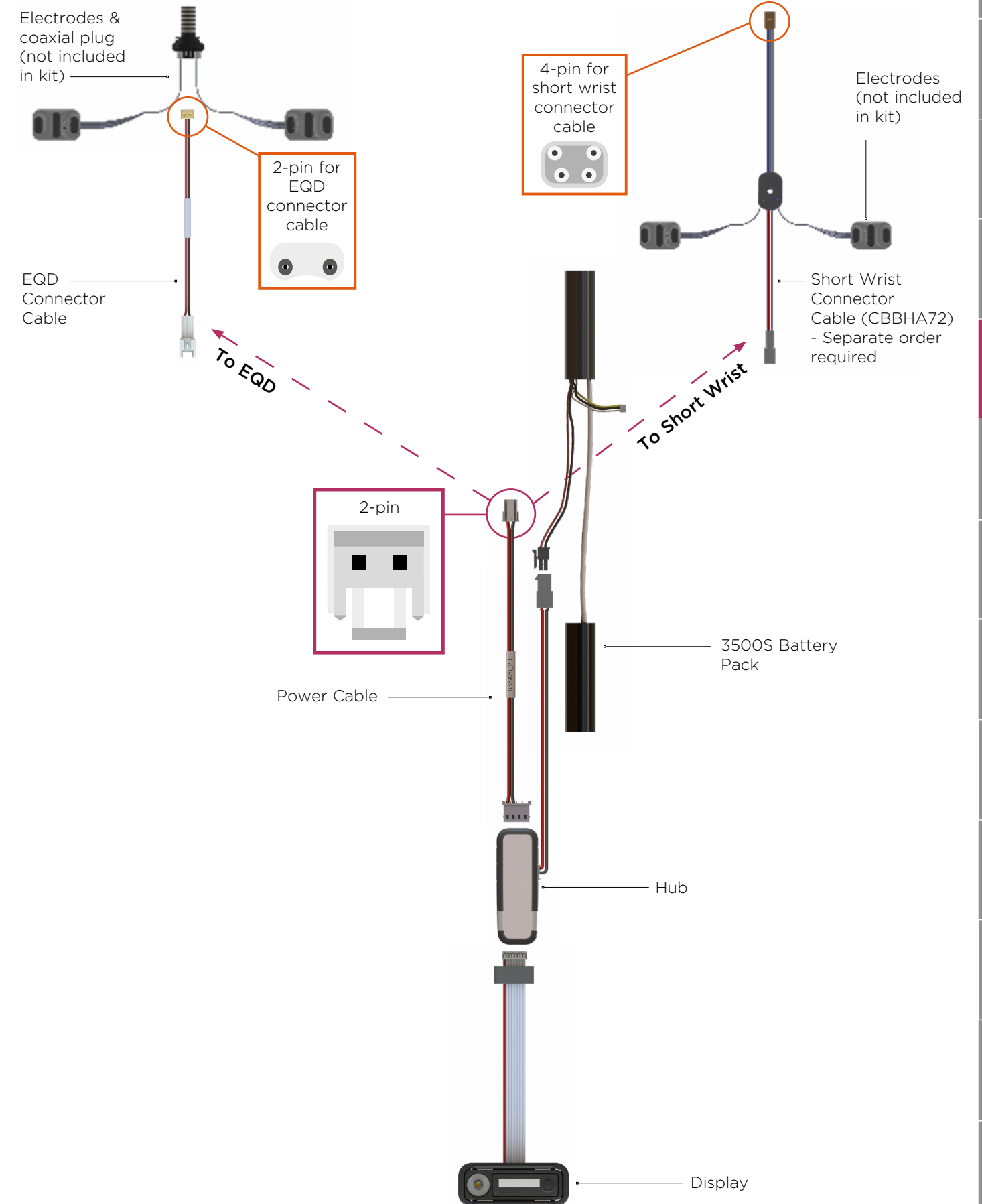


### Features and Benefits

- High capacity 3500mAh Battery Pack
- Fully charged within 5 hours
- Easy-release magnetic charger
- Flexible configuration as the Hub can be placed anywhere in the forearm
- Simple one-button operation to activate and check battery status
- Low profile battery pack which can be easily housed within a forearm
- Compatible with upper limb products from other manufacturers with an equivalent power rating (8.4V at full battery charge, 7.0V at low battery cut off, 2.5A peak current).



### Sample Set-up



S-Charge System Kit

The SC3500 kit contains all of the parts listed below in the following quantities. Spare parts can also be ordered, including the 3500S Battery Pack, Hub Kit and Display Kit.



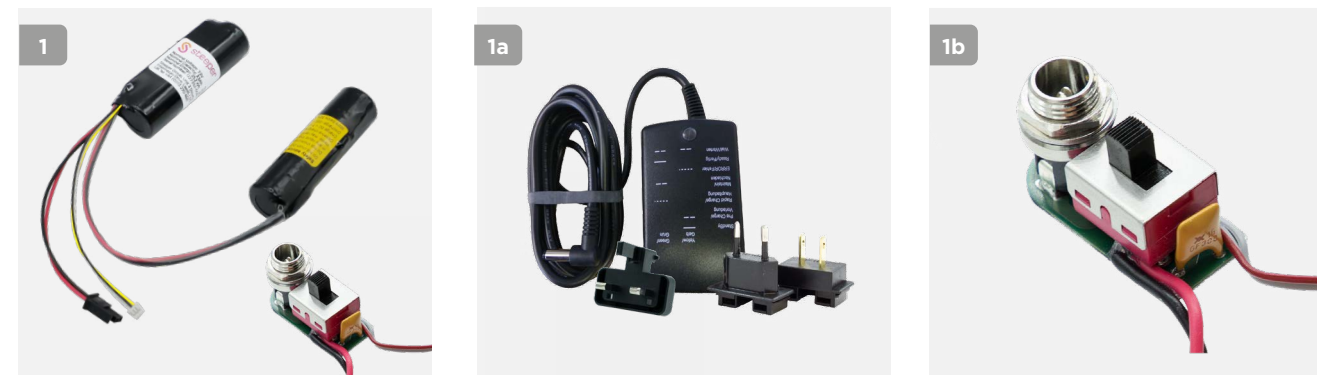
| Part Number | Description  |
|-------------|--|
| SC3500      | S-Charge System - Includes items listed in table below. Spare parts can also be ordered. |

|   | Description           | Quantity | Dimensions                           |
|---|-----------------------|----------|--------------------------------------|
| 1 | 3500S Battery Pack    | 1        | 67mm x 40mm x 22mm (not inc. cables) |
| 2 | Hub                   | 1        | 58mm x 20mm x 10mm                   |
| 3 | Display               | 1        | 50mm x 20mm x 7mm                    |
| 4 | Magnetic wall charger | 1        | N/A                                  |
| 5 | Mounting frames       | 3        | 50mm x 20mm x 7mm                    |
|   | Power connector cable | 1        | 120mm                                |
|   | EQD connector cable   | 1        | 100mm                                |
|   | Lamination dummy pair | 1 pair   | 72mm x 48mm x 24mm                   |
|   | Foam gaskets          | 3        | N/A                                  |
|   | Alignment stickers    | 2        | 50mm x 20mm x 7mm                    |

| Part Number | Spare Part                          | Description   |
|-------------|-------------------------------------|---|
| SCBP3500    | 3500S Battery Pack                  | Battery Pack (1), lamination dummy (1)  |
| SCHUB       | S-Charge Hub Kit                    | Hub (1), power connector cable (1), EQD connector cable (1)                             |
| SCDIS       | S-Charge Display Kit                | Display (1), mounting frames (3), mounting frame gaskets (3) and alignment stickers (2) |
| SWC2200     | S-Charge Wall Charger               | Wall charger including mains adapters (UK, US, EU, AUS) (1)                             |
| SCDKIT      | S-Charge Dummy Kit                  | 3500S lamination dummy (1), hub dummy (1), display dummy (1), alignment stickers (2)    |
| SCLAM       | 3500S Battery Pack Lamination Dummy | Lamination dummy* (1)   |
| SCMFKIT     | S-Charge Mounting Frame Kit         | Mounting frames (3), mounting frame gaskets (3), alignment stickers (2)                 |
| B33736      | Extended EQD Connector Cable        | 500mm length EQD connector cable  |

3500S Battery Pack Kit

The 3500S has been developed to employ the latest advances in battery technology. This battery pack can provide up to 3500mAh to a terminal device, making it one of the most powerful battery systems on the market. The pack is fully charged within 5 hours via the BBCBI battery charger (to be ordered separately), and easily turned on and off using the Switch.



| Part Number | Description   | Capacity | Battery Dimensions<br>(not inc. cables) | Weight |
|-------------|---|----------|---|--------|
| 1           | 3500BP 7.2V 3500S Battery Kit with Switch & Lamination Dummy            | 3500mAh  | 67 x 20 x 22 mm                         | 106g   |
| 1a          | BBCBI Lithium Battery Charger - Mains powered with UK/EU/US/AU adapters |          |   |        |

| Part Number | Spare Part | Description   |
|-------------|------------|---|
| 1b          | 3500SW     | Switch and Charging Port Replacement switch kit for use with the 3500S Battery Pack |



## Myoelectric Power and Inputs - Lithium Polymer Battery



### Lithium Polymer Battery

The BLPA72 Lithium Polymer Battery is designed to power the Steeper range of myoelectric hands, which may also be suitable for use with products from other manufacturers. One fully charged battery provides 800mAh of power to a myoelectric hand for prostheses users.

Alongside the use of the Battery Receptacle BHQDA72, the BLPA72 Battery can be connected to the Quick Disconnect Wrist, or the Connector Block Cable CBBHA72 (page 49).

| Part Number | Description                  | Capacity | Dimensions                                  | Weight         |
|-------------|------------------------------|----------|---|----------------|
| BLPA72      | 7.2V Lithium Polymer Battery | 800mAh   | 66 x 32 x 17 mm<br>(2 5/8" x 1 1/4" x 5/8") | 44g (1 1/2 oz) |



### Battery Receptacles

Forearm-mounted Battery Receptacles are supplied in kit with all necessary formers.

**Note:** BHQDA72 is suitable for connection to the Quick Disconnect Wrist connection. BHA72 is suitable for connection to Connector Block Cable CBBHA72 (p.49).

| Part Number | Description   | Compatible Battery |
|-------------|---|--------------------|
| 1           | BHQDA72 Lithium Polymer Battery Receptacle with 2-Pin Output    | BLPA72             |
| 1a          | BHA72 Lithium Polymer Battery Receptacle with Locking Connector | BLPA72             |
| 1b          | BHA72SP Lamination Dummy  | N/A                |



### Desktop Battery Charger

Battery charger for the BLPA72 Lithium Polymer Battery.

| Part Number | Description   | Region |
|-------------|---|--------|
| LPDC01      | Lithium Polymer Battery Desktop Charger - Mains powered with UK/EU/US/AU adapters | World  |



## Experts in Design and Manufacturing

### Research and Development

From the initial concept and design process, through to the production of the final device, the Steeper Research and Development Team work with clinicians and prosthesis users to ensure the Steeper product range is beneficial to patients on a global scale.





## Cable Operated and Spring Hands

Our range of cable operated and spring hands provide functional benefits with improved cosmetic appearance. The adult and teenage range is manufactured from high strength aerospace alloy, housed inside a flexible PVC shell and operated by body-powered cable control or manual operation.

Provisions are made for multiple wrist and cable connection options. These hands are compatible with our range of full length silicone and PVC cosmetic gloves.

In addition, we offer two children's sizes which are constructed from rugged plastic mouldings to withstand the demands of a growing child.



Technical Information: Cable Operated and Spring Hands

| Size | Width at Knuckles | Cable Pull  | Max Opening | Weight      | Base to Thumb Tip |
|------|-------------------|-------------|-------------|-------------|-------------------|
| 6 ¾  | 63mm (2 ½")       | 60mm (2 ¾") | 58mm (2 ¼") | 224g (8oz)  | 108mm (4 ¼")      |
| 7 ¼  | 70mm (2 ¾")       | 40mm (1 ½") | 90mm (3 ½") | 331g (12oz) | 133mm (5 ¼")      |
| 7 ¾  | 82mm (3 ¼")       | 40mm (1 ½") | 90mm (3 ½") | 342g (12oz) | 133mm (5 ¼")      |
| 8 ¼  | 87mm (3 ½")       | 42mm (1 ⅝") | 95mm (3 ¾") | 357g (13oz) | 137mm (5 ⅜")      |



Cable Operated Hand - Front Pull Voluntary Opening

This Cable Operated hand utilises high-strength aerospace alloy inside a flexible hand shell. This front pull, voluntary opening prosthetic hand is compatible with our range of full-length Elegance cosmetic gloves.

**Note:** See page 116 for full details on ordering the Elegance glove range.

**Note:** A full range of hand connection plates are available for the plain base Spring and Cable Operated Hands, featured on pages 137 - 145.

| Part Number |                |                 | Size | Left/Right | Application       | Wrist Unit Option | Male Glove Number | Female Glove Number |
|-------------|----------------|-----------------|------|------------|-------------------|-------------------|-------------------|---------------------|
| Plain Base  | M12 x 1.5 Stem | ½ x 20 TPI Stem |      |            |                   |                   |                   |                     |
| MHA675LF    | MHA675LFEU     | MHA675LFNA      | 6 ¾  | Left       | Child (8 -12 yrs) | 45mm (1 ¾")       | 310               | 310                 |
| MHA675RF    | MHA675RFEU     | MHA675RFNA      | 6 ¾  | Right      | Child (8 -12 yrs) | 45mm (1 ¾")       | 311               | 311                 |
| MHA725LF    | MHA725LFEU     | MHA725LFNA      | 7 ¼  | Left       | Adolescent/Adult  | 50mm (2")         | 306               | 304                 |
| MHA725RF    | MHA725RFEU     | MHA725RFNA      | 7 ¼  | Right      | Adolescent/Adult  | 50mm (2")         | 307               | 305                 |
| MHA775LF    | MHA775LFEU     | MHA775LFNA      | 7 ¾  | Left       | Adult             | 54mm (2 ⅞")       | 302               | 312                 |
| MHA775RF    | MHA775RFEU     | MHA775RFNA      | 7 ¾  | Right      | Adult             | 54mm (2 ⅞")       | 303               | 313                 |
| MHA825LF    | MHA825LFEU     | MHA825LFNA      | 8 ¼  | Left       | Adult             | 54mm (2 ⅞")       | 300               | N/A                 |
| MHA825RF    | MHA825RFEU     | MHA825RFNA      | 8 ¼  | Right      | Adult             | 54mm (2 ⅞")       | 301               | N/A                 |



Cable Operated Hand - Back Pull Voluntary Opening

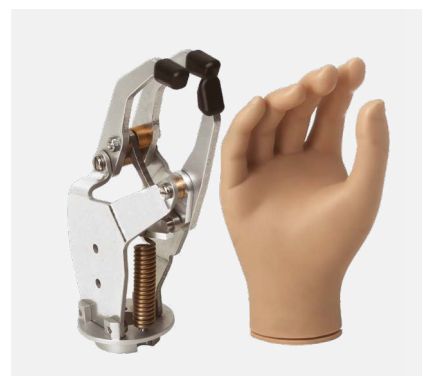
Cable operated prosthetic hand, utilising high-strength aerospace alloy inside a flexible hand shell. This back pull, voluntary opening prosthetic hand is compatible with our range of full-length Elegance cosmetic gloves.

**Note:** See page 116 for full details on ordering the Elegance glove range.

**Note:** A full range of hand connection plates are available for the plain base Spring and Cable Operated Hands, featured on pages 137-145.

| Part Number |                |                 | Size | Left/Right | Application       | Wrist Unit Option | Male Glove Number | Female Glove Number |
|-------------|----------------|-----------------|------|------------|-------------------|-------------------|-------------------|---------------------|
| Plain Base  | M12 x 1.5 Stem | ½ x 20 TPI Stem |      |            |                   |                   |                   |                     |
| MHA675LB    | MHA675LBEU     | MHA675LBNA      | 6 ¾  | Left       | Child (8 -12 yrs) | 45mm (1 ¾")       | 310               | 310                 |
| MHA675RB    | MHA675RBEU     | MHA675RBNA      | 6 ¾  | Right      | Child (8 -12 yrs) | 45mm (1 ¾")       | 311               | 311                 |
| MHA725LB    | MHA725LBEU     | MHA725LBNA      | 7 ¼  | Left       | Adolescent/Adult  | 50mm (2")         | 306               | 304                 |
| MHA725RB    | MHA725RBEU     | MHA725RBNA      | 7 ¼  | Right      | Adolescent/Adult  | 50mm (2")         | 307               | 305                 |
| MHA775LB    | MHA775LBEU     | MHA775LBNA      | 7 ¾  | Left       | Adult             | 54mm (2 ⅞")       | 302               | 312                 |
| MHA775RB    | MHA775RBEU     | MHA775RBNA      | 7 ¾  | Right      | Adult             | 54mm (2 ⅞")       | 303               | 313                 |
| MHA825LB    | MHA825LBEU     | MHA825LBNA      | 8 ¼  | Left       | Adult             | 54mm (2 ⅞")       | 300               | N/A                 |
| MHA825RB    | MHA825RBEU     | MHA825RBNA      | 8 ¼  | Right      | Adult             | 54mm (2 ⅞")       | 301               | N/A                 |





### Spring Operated Hand

Our range of Spring Operated Hands provide functional benefits with improved cosmetic appearance. The range is manufactured from high-strength aerospace alloy, housed inside a PVC hand shell and operated by body-powered cable control or manual operation. These hands are compatible with our range of full-length Elegance™ cosmetic gloves.

**Note:** See page 116 for full details on ordering the Elegance glove range.

**Note:** A full range of hand connection plates are available for the plain base Spring and Cable Operated Hands, featured on pages 137-145.

| Part Number |                |                 | Size | Left/Right | Application       | Wrist Unit Option | Male Glove Number | Female Glove Number |
|-------------|----------------|-----------------|------|------------|-------------------|-------------------|-------------------|---------------------|
| Plain Base  | M12 x 1.5 Stem | ½ x 20 TPI Stem |      |            |                   |                   |                   |                     |
| SPA675L     | SPA675LEU      | SPA675LNA       | 6 ¾  | Left       | Child (8 -12 yrs) | 45mm (1 ¾")       | 310               | 310                 |
| SPA675R     | SPA675REU      | SPA675RNA       | 6 ¾  | Right      | Child (8 -12 yrs) | 45mm (1 ¾")       | 311               | 311                 |
| SPA725L     | SPA725LEU      | SPA725LNA       | 7 ¼  | Left       | Adolescent /Adult | 50mm (2")         | 306               | 304                 |
| SPA725R     | SPA725REU      | SPA725RNA       | 7 ¼  | Right      | Adolescent /Adult | 50mm (2")         | 307               | 305                 |
| SPA775L     | SPA775LEU      | SPA775LNA       | 7 ¾  | Left       | Adult             | 54mm (2 ⅛")       | 302               | 312                 |
| SPA775R     | SPA775REU      | SPA775RNA       | 7 ¾  | Right      | Adult             | 54mm (2 ⅛")       | 303               | 313                 |
| SPA825L     | SPA825LEU      | SPA825LNA       | 8 ¼  | Left       | Adult             | 54mm (2 ⅛")       | 300               | N/A                 |
| SPA825R     | SPA825REU      | SPA825RNA       | 8 ¼  | Right      | Adult             | 54mm (2 ⅛")       | 301               | N/A                 |



Plain Base



Threaded Stem



### Cable, Spring Operated and Myoelectric Hand Shell

Durable PVC hand shell for use with Steeper Cable, Spring Operated and Myo Select and Myo Junior prosthetic hands. For information about Myo Kinisi hand shells please see page 25.

These hand shells are suitable for use with our range of full-length Elegance cosmetic gloves.

**Note:** See page 116 for full details on ordering the Elegance Glove range.

| Part Number (includes Retention Ring) |           |                                 | Size | Left/Right |
|---------------------------------------|-----------|---------------------------------|------|------------|
| Front Pull                            | Back Pull | Spring Operated and Myoelectric |      |            |
| IHA675LF                              | IHA675LB  | IHA675L                         | 6 ¾  | Left       |
| IHA675RF                              | IHA675RB  | IHA675R                         | 6 ¾  | Right      |
| IHA725LF                              | IHA725LB  | IHA725L                         | 7 ¼  | Left       |
| IHA725RF                              | IHA725RB  | IHA725R                         | 7 ¼  | Right      |
| IHA775LF                              | IHA775LB  | IHA775L                         | 7 ¾  | Left       |
| IHA775RF                              | IHA775RB  | IHA775R                         | 7 ¾  | Right      |
| IHA825LF                              | IHA825LB  | IHA825L                         | 8 ¼  | Left       |
| IHA825RF                              | IHA825RB  | IHA825R                         | 8 ¼  | Right      |



### Hand Shell Retention Ring

Spare part for Steeper mechanical and myoelectric hands. Not suitable for the Myo Kinisi. For more information about Myo Kinisi retention rings, please see page 25.

| Part Number | Size | Left/Right    | Diameter    | Description              |
|-------------|------|---------------|-------------|--------------------------|
| B25330      | 6 ¾  | Left or Right | 46mm (1 ¾") | For EQD Hands            |
| B25320      | 6 ¾  | Left or Right | 46mm (1 ¾") | For Friction Wrist Hands |
| B25321      | 7 ¼  | Left or Right | 49mm (2")   | All Wrist Variants       |
| B25322      | 7 ¾  | Left or Right | 53mm (2 ⅛") | All Wrist Variants       |
| B25323      | 8 ¼  | Left or Right | 58mm (2 ¼") | All Wrist Variants       |





**Hand Plate Screws**

Spare screws to attach a hand plate.

| Part Number | Compatible Hand Size | Left/Right    |
|-------------|----------------------|---------------|
| NSC0366     | 6 ¾, 7 ¼, 7 ¾, 8 ¼   | Left or Right |



**Cable Outer**

Spare cable outer for protecting the operating cable during use.

| Part Number | Compatible Hand Size | Left/Right    |
|-------------|----------------------|---------------|
| B25140      | 6 ¾, 7 ¼, 7 ¾, 8 ¼   | Left or Right |



**Terminal Connections Kit**

| Part Number | Compatible Hand Size | Left/Right    |
|-------------|----------------------|---------------|
| E25142      | 6 ¾, 7 ¼, 7 ¾, 8 ¼   | Left or Right |



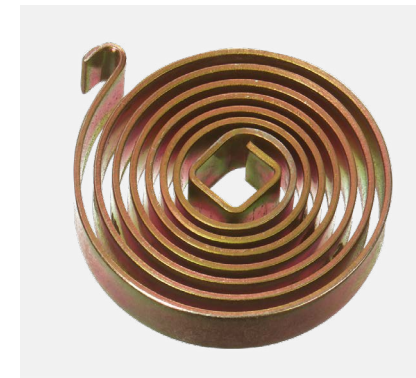
**Operating Cable**

| Part Number | Compatible Hand Size | Left/Right    |
|-------------|----------------------|---------------|
| B10734      | 6 ¾, 7 ¼, 7 ¾, 8 ¼   | Left or Right |



**Cable Pulley**

| Part Number | Description               |
|-------------|---------------------------|
| B07322      | For looping control cable |



**Spring**

Spare spring component for Cable Operated hands.

| Part Number | Compatible Hand Size | Left/Right    |
|-------------|----------------------|---------------|
| B25161      | 6 ¾                  | Left or Right |
| B25115      | 7 ¼, 7 ¾, 8 ¼        | Left or Right |



**Cam**

Replacement cam for Cable Operated hands.

| Part Number | Compatible Hand Size | Left/Right |
|-------------|----------------------|------------|
| B26320      | 6 ¾                  | Left       |
| B26321      | 6 ¾                  | Right      |
| B26322      | 7 ¼, 7 ¾, 8 ¼        | Left       |
| B26323      | 7 ¼, 7 ¾, 8 ¼        | Right      |



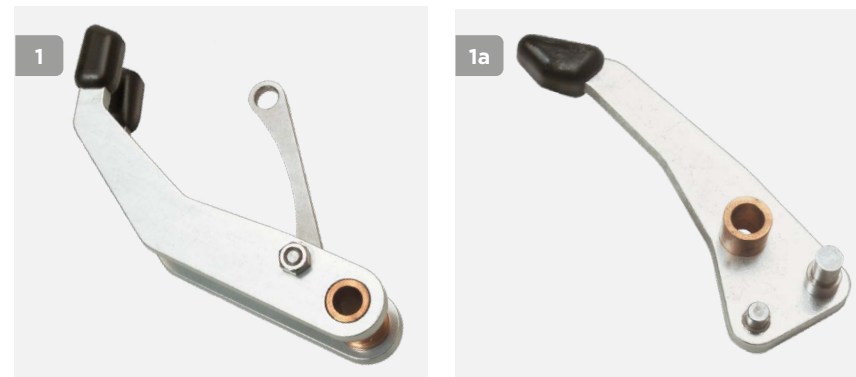
**Spring**

Spare for Spring Operated Hands.

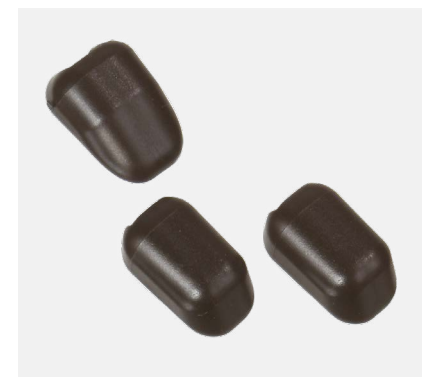
| Part Number | Compatible Hand Size | Left/Right    |
|-------------|----------------------|---------------|
| E26115      | 6 ¾                  | Left or Right |
| E26114      | 7 ¼, 7 ¾, 8 ¼        | Left or Right |

Finger and Thumb Assemblies

Replacement finger and thumb assemblies for Steeper Cable and Spring Operated Hands, manufactured using high grade aluminium alloy. Assembly instructions can be found in the Mechanical Hand Technical Information on [www.steepergroup.com](http://www.steepergroup.com).



| Part Number                         |                                      |                                    |                                     |        |          | Size  | Left/Right |
|-------------------------------------|--------------------------------------|------------------------------------|-------------------------------------|--------|----------|-------|------------|
| Finger Assembly Cable Operated Hand | Finger Assembly Spring Operated Hand | Thumb Assembly Cable Operated Hand | Thumb Assembly Spring Operated Hand |        |          |       |            |
| <b>1</b>                            | B30516                               | B26306                             | <b>1a</b> B30818                    | B26123 | 6 ¾      | Left  |            |
|                                     | B30515                               | B26304                             | B30817                              | B26124 | 6 ¾      | Right |            |
|                                     | B30518                               | B26310                             | B30823                              | B26107 | 7 ¼, 7 ¾ | Left  |            |
|                                     | B30517                               | B26308                             | B30822                              | B26108 | 7 ¼, 7 ¾ | Right |            |
|                                     | B30520                               | B26314                             | B30825                              | B26109 | 8 ¼      | Left  |            |
|                                     | B30519                               | B26312                             | B30824                              | B26110 | 8 ¼      | Right |            |



Finger Palp Kit

Spare finger palps (tips) for use with Steeper Finger and Thumb Assemblies for Spring and Cable Operated hands.

| Part Number (2 x Finger, 1 x Thumb) | Compatible Hand Size | Left/Right    |
|-------------------------------------|----------------------|---------------|
| E26325                              | 6 ¾                  | Left or Right |
| E26326                              | 7 ¼, 7 ¾             | Left or Right |
| E26327                              | 8 ¼                  | Left or Right |

Technical Information: Child Cable Operated and Spring Hand

| Size | Width at Knuckles | Cable Pull  | Max Opening | Weight       | Base to Thumb Tip |
|------|-------------------|-------------|-------------|--------------|-------------------|
| 5 ½  | 50mm (2")         | 29mm (1 ⅛") | 44mm (1 ¾") | 84g (3oz)    | 76mm (3")         |
| 6    | 57mm (2 ¼")       | 25mm (1")   | 50mm (2")   | 130g (4 ½oz) | 102mm (4")        |



Child Cable Operated Hand Front Pull - Voluntary Opening

Child's Cable Operated Hand, with a front pull and voluntary opening. These hands are constructed using rugged plastic mouldings to withstand the demands of a growing child, with functional benefits and an improved cosmetic appearance.

**Note:** Round fixed B05441 wrist (45mm) is not compatible with **size 6** hands. Recommended use is with friction housing (p.143) and hand plate (p.143).

| Part Number | Size | UK Size   | Left/Right | Application     | Wrist       |
|-------------|------|-----------|------------|-----------------|-------------|
| B08361      | 5 ½  | 2" x 3"   | Left       | Child 2-5 years | 40mm (1 ½") |
| B08360      | 5 ½  | 2" x 3"   | Right      | Child 2-5 years | 40mm (1 ½") |
| C07331      | 6    | 2 ¼" x 4" | Left       | Child 5-8 years | 45mm (1 ¾") |
| C07330      | 6    | 2 ¼" x 4" | Right      | Child 5-8 years | 45mm (1 ¾") |



Child Cable Operated Hand Back Pull - Voluntary Opening

Child's Cable Operated Hand, with a back pull and voluntary opening. These hands are constructed using rugged plastic mouldings to withstand the demands of a growing child, with functional benefits and an improved cosmetic appearance.

**Note:** Round fixed B05441 wrist (45mm) is not compatible with **size 6** hands. Recommended use is with friction housing (p.143) and hand plate (p.143).

| Part Number | Size | UK Size   | Left/Right | Application     | Wrist       |
|-------------|------|-----------|------------|-----------------|-------------|
| B08363      | 5 ½  | 2" x 3"   | Left       | Child 2-5 years | 40mm (1 ½") |
| B08362      | 5 ½  | 2" x 3"   | Right      | Child 2-5 years | 40mm (1 ½") |
| C07931      | 6    | 2 ¼" x 4" | Left       | Child 5-8 years | 45mm (1 ¾") |
| C07932      | 6    | 2 ¼" x 4" | Right      | Child 5-8 years | 45mm (1 ¾") |



## Cable Operated and Spring Hands - Child Hand



### Child Spring Hand

Child's manually operated Spring Hand with voluntary opening. These hands are constructed using rugged plastic mouldings to withstand the demands of a growing child, with functional benefits and an improved cosmetic appearance.

**Note:** Round fixed B05441 wrist (45mm) is not compatible with **size 6** hands. Recommended use is with friction housing (p.143) and hand plate (p.143).

| Part Number | Size | UK Size   | Left/Right | Application     | Wrist       |
|-------------|------|-----------|------------|-----------------|-------------|
| SP592L      | 5 ½  | 2" x 3"   | Left       | Child 2-5 years | 40mm (1 ½") |
| SP592R      | 5 ½  | 2" x 3"   | Right      | Child 2-5 years | 40mm (1 ½") |
| SP589L      | 6    | 2 ¼" x 4" | Left       | Child 5-8 years | 45mm (1 ¾") |
| SP589R      | 6    | 2 ¼" x 4" | Right      | Child 5-8 years | 45mm (1 ¾") |



### Spare Parts Operating Cable

Spare front pull operating cable cord for Child Cable Operated Hands.

| Part Number | Hand Size | UK Size  |
|-------------|-----------|----------|
| B07365      | 5 ½, 6    | 2", 2 ¼" |



Here to Help

### Customer Services Team

Our friendly customer services team are on hand to assist with your queries, from order placement, product queries or further assistance, the Steeper Customer Services Team are available via telephone or email to handle your enquiry.

The team can also request one of our clinical Product Managers to contact you should you need clinical assistance.

Contact the team via [customerservices@steepergroup.com](mailto:customerservices@steepergroup.com) or [sales@steeperusa.com](mailto:sales@steeperusa.com)





A wide range of functional devices are available to enable those using body-powered controls to perform work or recreational tasks. The most common device is the split hook, allowing fine control and manipulation of everyday items.

Additional functional devices have been designed in order to tackle specialised tasks such as occupational, gardening and sporting pursuits. Depending on the operation required, these are either actively or passively controlled.

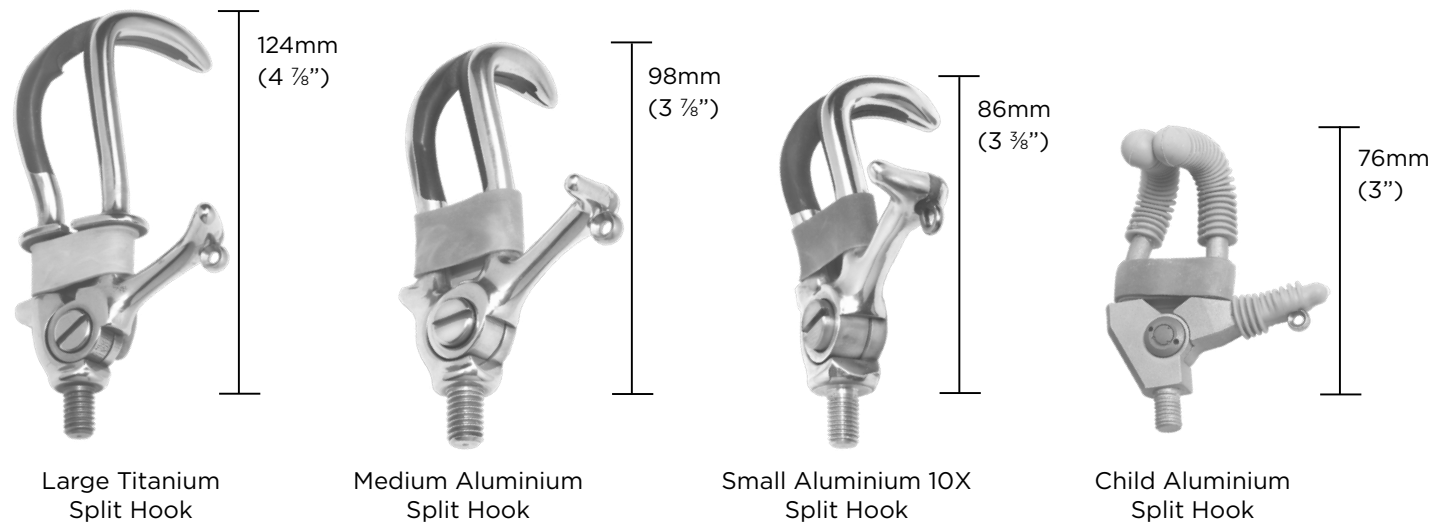
- Upper Limb Prosthetics
- Ordering Information
- Myoelectric Hands
- Myoelectric Elbows
- Myoelectric Power & Inputs
- Cable Operated & Spring Hands
- Functional Devices**
- Cosmetic Hands & Gloves
- Modular Arm Systems
- Wrist Units
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Split Hooks Technical Information - Hook lengths

Split hook length is measured from the top of the fingers to the base of the hook. This measurement does not include the threaded Stem.



- Note:**
- Adult hooks are supplied with standard UK operating cord connection ring.
  - For hooks with bonded jaw linings a repair service is available. Order by adding **EX** to part number e.g. NHD0003EX. Contact your local supplier for return details.
  - A full range of adapter plates are available. Please see page 138.



Large Split Hook

Body-powered split hooks for precise object handling, and canted grip surfaces for dexterity. The large is available in three materials - titanium, stainless steel or aluminium - and selection is based on the user's strength and weight requirements. Grip force capability is regulated by adding or removing the supplied rubber bands.

| Titanium (5XTi)      |                  |            |          |                 |                 |
|----------------------|------------------|------------|----------|-----------------|-----------------|
| Part Number          | Description      | Left/Right | Thread   | Weight          | Material        |
| NHD0003T             | Large Split Hook | Left       | 3/8" BSW | 120g (4 1/8 oz) | Titanium        |
| NHD0004T             | Large Split Hook | Right      | 3/8" BSW | 120g (4 1/8 oz) | Titanium        |
| Stainless Steel (5X) |                  |            |          |                 |                 |
| Part Number          | Description      | Left/Right | Thread   | Weight          | Material        |
| NHD0003              | Large Split Hook | Left       | 3/8" BSW | 209g (7 3/8 oz) | Stainless Steel |
| NHD0004              | Large Split Hook | Right      | 3/8" BSW | 209g (7 3/8 oz) | Stainless Steel |
| Aluminium (5XA)      |                  |            |          |                 |                 |
| Part Number          | Description      | Left/Right | Thread   | Weight          | Material        |
| NHD0001              | Large Split Hook | Left       | 3/8" BSW | 92g (3 1/8 oz)  | Aluminium       |
| NHD0002              | Large Split Hook | Right      | 3/8" BSW | 92g (3 1/8 oz)  | Aluminium       |

Medium Split Hook



Body-powered, medium split hook for precise object handling, constructed using durable aluminium and features canted grip surfaces for dexterity. Grip force capability is regulated by adding or removing the supplied rubber bands.

| Part Number | Description                 | Left/Right | Thread    | Weight    |
|-------------|-----------------------------|------------|-----------|-----------|
| NHD005      | Medium Aluminium Split Hook | Left       | 5/16" BSF | 85g (3oz) |
| NHD006      | Medium Aluminium Split Hook | Right      | 5/16" BSF | 85g (3oz) |



Small Split Hook

Body-powered, small split hook for precise object handling, constructed using durable aluminium and features canted grip surfaces for dexterity. Grip force capability is regulated by adding or removing the supplied rubber bands.

| Part Number | Description                | Left/Right | Thread    | Weight           |
|-------------|----------------------------|------------|-----------|------------------|
| NHD0007     | Small Aluminium Split Hook | Left       | 5/16" BSF | 68.5g (2 1/8 oz) |
| NHD0008     | Small Aluminium Split Hook | Right      | 5/16" BSF | 68.5g (2 1/8 oz) |



Child's Split Hook

Small split hook with full round polymer covers for efficient handling of objects. Constructed using durable aluminium, and grip force capability is regulated by adding or removing the supplied rubber bands.

| Part Number | Description                  | Left/Right | Thread    | Weight     |
|-------------|------------------------------|------------|-----------|------------|
| B05157      | Child's Aluminium Split Hook | Left       | 5/16" BSF | 56g (2 oz) |
| B05158      | Child's Aluminium Split Hook | Right      | 5/16" BSF | 56g (2 oz) |

## Functional Devices - Split Hooks and Spare Parts

### Jaw Covers for Child's Split Hook (B05157 & B05158)

Replacement polymer covers for the child's split hook.



| Part Number | Description          | Supplied |
|-------------|----------------------|----------|
| 1 B19464    | Half Round Jaw Cover | Each     |
| 1a B19572   | Full Round Jaw Cover | Each     |



### Rubber Bands

Spare rubber bands and rubber rings for altering the tension of split hook functionality, thereby adjusting the grip force capability.

| Part Number | Description  | Supplied    |
|-------------|--------------|-------------|
| B11470      | Rubber Bands | Pack of Ten |



### Rubber Tube Lining

A protective cover which can be added to split hooks to provide a more compliant grip. Can be cut to size.

| Part Number | Description           | Supplied  |
|-------------|-----------------------|-----------|
| NRB0050     | ½" Rubber Tube Lining | Per Metre |

**Note:** A full range of adapter plates are available. Please see page 138. Thread locking compound must be used when assembling adapters to functional devices.

## Functional Devices - Active Functional Devices

### Body-Powered Gripper

Curved jaws allow spherical and cylindrical objects to be held firmly. Two levels of grip can be selected by simple user control. Hard tips for fine control.

Hand connection plates available separately, please see page 137.



| Part Number | Description                  | Left/Right | Base          | Length       | Weight      |
|-------------|------------------------------|------------|---------------|--------------|-------------|
| 1 D11377    | Body-Powered Gripper - Adult | Left       | 2 ½" Diameter | 140mm (5 ½") | 200g (7 oz) |
| D11378      | Body-Powered Gripper - Adult | Right      | 2 ½" Diameter | 140mm (5 ½") | 200g (7 oz) |
| 2 E17996    | Replacement Jaw Lining       | Left       | N/A           | N/A          | N/A         |
| E17997      | Replacement Jaw Lining       | Right      | N/A           | N/A          | N/A         |



### Universal Tool Holder

Designed for a stable grip on tools, bars, rods and tubes. Jaws may be manually locked on to an object allowing the user to relax tension on the operating system.

| Part Number | Description                   | Left/Right    | Thread | Length       | Weight         |
|-------------|-------------------------------|---------------|--------|--------------|----------------|
| DO0175      | Universal Tool Holder - Adult | Left or Right | ¾" BSW | 145mm (5 ¾") | 347g (12 ¼ oz) |



### Light Tool Holder

An adjustable clamp with two jaws for gripping around handled tools. The head may be set at various angles and jaws tightened by means of a wing nut.

| Part Number | Description               | Left/Right    | Thread | Length       | Weight      |
|-------------|---------------------------|---------------|--------|--------------|-------------|
| B05191      | Light Tool Holder - Adult | Left or Right | ¾" BSW | 130mm (5 ⅛") | 250g (9 oz) |





**Spade Grip**

Suitable for use with gardening or sports equipment. Provides a full range of unrestricted wrist movement.

| Part Number | Description        | Left/Right    | Thread   | Length         | Weight           |
|-------------|--------------------|---------------|----------|----------------|------------------|
| C07077      | Spade Grip - Adult | Left or Right | 3/8" BSW | 147mm (5 3/4") | 362g (12 1/2 oz) |



**Quick Grip Pliers**

Provided with serrated jaws for a firm grip on small items such as nails, screws, nuts, bolts. Two different shaped apertures enabling hand tools with different diameter handles to be used. These pliers may be locked manually, allowing the user to relax tension on the operating system. The moving jaw also has a shaped section for pushing or holding against a bench.

| Part Number | Description               | Left/Right    | Thread   | Length     | Weight           |
|-------------|---------------------------|---------------|----------|------------|------------------|
| B18220      | Quick Grip Pliers - Adult | Left          | 3/8" BSW | 150mm (6") | 296g (10 1/2 oz) |
| B05218      | Quick Grip Pliers - Adult | Right         | 3/8" BSW | 150mm (6") | 296g (10 1/2 oz) |
| B09185      | Replacement Spring        | Left or Right | N/A      | N/A        | N/A              |



**Long Nose Pliers**

Provided with tapered jaws for precise work and two different sized apertures for gripping. Jaws may be locked with a thumb screw.

| Part Number | Description              | Left/Right    | Thread   | Length         | Weight      |
|-------------|--------------------------|---------------|----------|----------------|-------------|
| D00172      | Long Nose Pliers - Adult | Left or Right | 3/8" BSW | 120mm (4 3/4") | 255g (9 oz) |

**Note:** A full range of adapter plates are available. Please see page 138. Thread locking compound must be used when assembling adapters to functional devices.



**Walking Stick Holder**

The walking stick holder is connected to the prosthesis with an angled tube. Supplied with 2 1/8" adapter plate. Walking stick not included.

| Part Number | Description                  | Left/Right    | Thread   | Length         | Weight      |
|-------------|------------------------------|---------------|----------|----------------|-------------|
| B05640      | Walking Stick Holder - Adult | Left or Right | 3/8" BSW | 180mm (7 1/8") | 146g (5 oz) |



**Plain Hook**

For use in manual handling and lifting applications.

| Part Number | Description              | Left/Right    | Thread   | Length          | Weight          |
|-------------|--------------------------|---------------|----------|-----------------|-----------------|
| B05138      | Plain Hook - Adult Short | Left or Right | 3/8" BSW | 148mm (6")      | 109g (3 4/5 oz) |
| B05140      | Plain Hook - Adult Long  | Left or Right | 3/8" BSW | 312mm (12 1/4") | 198g (7 oz)     |



**'C' Hook**

A multi-purpose hook for use with gardening and farming tools (e.g. broom, shovel, fork, wheelbarrow) where pushing and pulling are required. The head can swivel and flex, providing a more adaptive device. The plain 'C' Hook retains functional head shape but is attached to the stem in a fixed position.

| Part Number | Description            | Left/Right    | Thread   | Length         | Weight          |
|-------------|------------------------|---------------|----------|----------------|-----------------|
| B00551      | 'C' Hook - Adult       | Left or Right | 3/8" BSW | 141mm (5 1/2") | 190g (6 1/2 oz) |
| B00770      | Plain 'C' Hook - Adult | Left or Right | 3/8" BSW | 152mm (6")     | 132g (4 1/2 oz) |

**Note:** A full range of adapter plates are available. Please see page 138. Thread locking compound must be used when assembling adapters to functional devices.



**Potato Holder**

Allows items such as vegetables, fish, bread and meat etc, to be held securely during food preparation, while leaving the sound hand free to peel or cut.

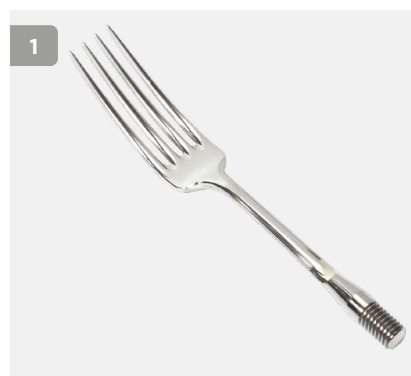
| Part Number | Description           | Left/Right    | Thread   | Length         | Weight          |
|-------------|-----------------------|---------------|----------|----------------|-----------------|
| B00538      | Potato Holder - Adult | Left or Right | 3/8" BSW | 130mm (5 1/8") | 100g (3 1/2 oz) |



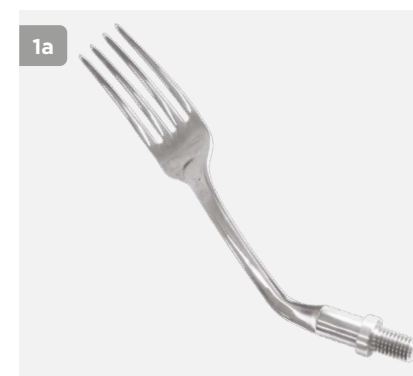
**Vegetable Peeler**

Sharp cutting edge allows for easy peeling of fruit or vegetables.

| Part Number | Description              | Left/Right    | Thread   | Length     | Weight       |
|-------------|--------------------------|---------------|----------|------------|--------------|
| B11476      | Vegetable Peeler - Adult | Left or Right | 3/8" BSW | 125mm (5") | 16g (1/2 oz) |



1



1a

**Table Fork**

Large standard fork manufactured using stainless steel.

| Part Number | Description               | Left/Right    | Thread   | Length         | Weight         |
|-------------|---------------------------|---------------|----------|----------------|----------------|
| 1 B05355    | Table Fork - Adult        | Left or Right | 3/8" BSW | 166mm (6 1/2") | 42g (1 1/2 oz) |
| 1a NGO3F83L | Angled Table Fork - Adult | Left          | 3/8" BSW | 170mm (6 3/4") | 64g (2 1/4 oz) |
| NGO3F83R    | Angled Table Fork - Adult | Right         | 3/8" BSW | 170mm (6 3/4") | 64g (2 1/4 oz) |



2



2a

**Table Knife**

Large standard knife manufactured using stainless steel.

| Part Number | Description         | Left/Right    | Thread   | Length         | Weight         |
|-------------|---------------------|---------------|----------|----------------|----------------|
| 2 B05354    | Table Knife - Adult | Left or Right | 3/8" BSW | 173mm (7")     | 48g (1 1/2 oz) |
| 2a NGO3F81  | Steak Knife - Adult | Left or Right | 3/8" BSW | 130mm (5 1/8") | 40g (1 1/2 oz) |



3



3a

**Table Spoon**

Large standard spoon manufactured using stainless steel.

| Part Number | Description                | Left/Right    | Thread   | Length         | Weight         |
|-------------|----------------------------|---------------|----------|----------------|----------------|
| 3 B05356    | Table Spoon - Adult        | Left or Right | 3/8" BSW | 140mm (5 1/2") | 42g (1 1/2 oz) |
| 3a NGO3F82L | Angled Table Spoon - Adult | Left          | 3/8" BSW | 175mm (6 7/8") | 82g (3 oz)     |
| NGO3F82R    | Angled Table Spoon - Adult | Right         | 3/8" BSW | 175mm (6 7/8") | 82g (3 oz)     |

**Note:** A full range of adapter plates are available. Please see page 138. Thread locking compound must be used when assembling adapters to functional devices.

**Note:** A full range of adapter plates are available. Please see page 138. Thread locking compound must be used when assembling adapters to functional devices.





### Fishing Rod Holder

Used to support a fishing rod, allowing the sound hand freedom to control the reel.

| Part Number | Description        | Left/Right    | Thread   | Length     | Weight      |
|-------------|--------------------|---------------|----------|------------|-------------|
| B05882      | Fishing Rod Holder | Left or Right | 3/8" BSW | 155mm (6") | 143g (5 oz) |



### Typing Appliance

Supplied with an angled head and rubber tip for operation of a computer keyboard.

| Part Number | Description              | Left/Right    | Thread   | Length         | Weight         |
|-------------|--------------------------|---------------|----------|----------------|----------------|
| B05362      | Typing Appliance - Adult | Left or Right | 3/8" BSW | 115mm (4 1/2") | 48g (1 1/2 oz) |
| B05481      | Replacement Rubber Tip   | N/A           | N/A      | N/A            | N/A            |



### Cue Rest

Designed to support the cue, this device has a rotating head to provide a stable base and three different cueing heights.

| Part Number | Description      | Left/Right    | Thread   | Length     | Weight     |
|-------------|------------------|---------------|----------|------------|------------|
| B07318      | Cue Rest - Adult | Left or Right | 3/8" BSW | 174mm (7") | 56g (2 oz) |

**Note:** A full range of adapter plates are available. Please see page 138.  
Thread locking compound must be used when assembling adapters to functional devices.



### Thread Conversion Adapter

Can be applied to convert external UK thread to US or EU thread, available in three sizes.

| Part Number | Description   | Supplied |
|-------------|---|----------|
| B06005      | Conversion Sleeve - External Thread 1/2" UNF x 20 TPI, Internal Thread 3/8" BSW<br>To convert UK External Thread to US External Thread        | Each     |
| B21871      | Conversion Sleeve - External Thread M12 x 1.5mm, Internal Thread 3/8" BSW<br>To convert UK External Thread to European External Thread        | Each     |
| B23372      | Conversion Sleeve - External Thread 1/2" UNF x 20 TPI, Internal Thread 5/16" BSF<br>To convert Child UK External Thread to US External Thread | Each     |



### Extension Bar

An extension piece which may be used to increase length between two prosthetic components.

| Part Number | Description              | Left/Right | Thread                         | Weight         |
|-------------|--------------------------|------------|--------------------------------|----------------|
| B00445      | Extension Bar 3" - Adult | N/A        | 3/8" BSW External and Internal | 71g (2 1/2 oz) |
| B00446      | Extension Bar 4" - Adult | N/A        | 3/8" BSW External and Internal | 96g (3 1/2 oz) |

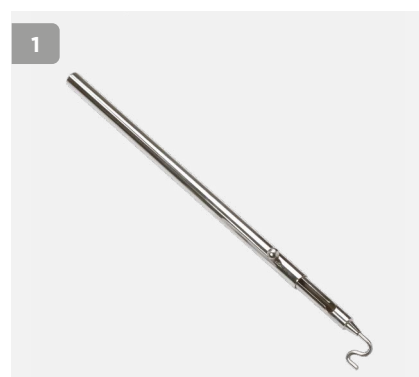
**Note:** A full range of adapter plates are available. Please see page 138.  
Thread locking compound must be used when assembling adapters to functional devices.



**Nail Brush Holder**

This stainless steel adapter has two drilled holes for attachment to the object of a user's choice, e.g. nail brush, wire brush, files, paint roller etc. Supplied as shown.

| Part Number | Description               | Left/Right    | Thread   | Length         | Weight     |
|-------------|---------------------------|---------------|----------|----------------|------------|
| B05353      | Nail Brush Holder - Adult | Left or Right | 3/8" BSW | 114mm (4 1/2") | 54g (2 oz) |



**Telescopic Dressing Stick**

Extendible device designed to facilitate buttoning and unzipping using either mouth or residual digits. May be used with a mouthpiece.

| Part Number | Description                          | Left/Right | Length                | Weight         |
|-------------|--------------------------------------|------------|-----------------------|----------------|
| 1           | B05553 Telescopic Dressing Appliance | N/A        | Max 340mm / Min 220mm | 65g (2 1/2 oz) |
| 1a          | SB12202 Mouthpiece                   | N/A        |                       | 15g (1/2 oz)   |

**Note:** A full range of adapter plates are available. Please see page 138. Thread locking compound must be used when assembling adapters to functional devices.



**Motoring Ball and Clamp - Adult\***

For driving applications. A rim-mounted single clamp arrangement fits most types of steering wheel. **\*Available in the UK only.**

**Note:** E22252A is supplied with link bar to increase stability and can be used with vehicles fitted with air bags.

| Part Number | Description                      | Left/Right | Weight           |
|-------------|----------------------------------|------------|------------------|
| E22252      | Motoring Ball and Clamp - Adult  | N/A        | 349g (12 1/2 oz) |
| E22252A     | Motoring Clamp with Link - Adult | N/A        | 255g (9 oz)      |



**Ball and Clamp**

This device may be used as a handlebar-mounted aid for adults and children wishing to cycle.

**Note:** Not for use with motorised vehicles.

| Part Number | Description    | Left/Right | Weight      |
|-------------|----------------|------------|-------------|
| SP118       | Ball and Clamp | N/A        | 115g (4 oz) |

**Note:** A full range of adapter plates are available. Please see page 138. Thread locking compound must be used when assembling adapters to functional devices.



**Driving Cup\***

For driving applications, this device is screwed into a palm mounted fitting (B05718). It must be used with an appropriate steering ball and clamp. A fitted PVC cover gives a secure level of attachment while allowing rapid removal if necessary.



**Note:** Alternative cup sizes may be manufactured. Please contact Customer Services with your requirements.  
\*Available in the UK only.

| Part Number | Description | Left/Right            | Thread | Weight   |                |
|-------------|-------------|-----------------------|--------|----------|----------------|
| 1           | B00447      | Driving Cup - Adult   | N/A    | 3/8" BSW | 126g (4 1/2oz) |
| 1a          | B05718      | Palm Mounting Fitting | N/A    | N/A      | 26.4g (7/8 oz) |



**Driving Cup on Stem\***

For driving applications. Must be used with an appropriate steering ball and clamp. A fitted PVC cover gives a secure level of attachment while allowing rapid removal if necessary.

**Note:** Alternative cup sizes may be manufactured. Please contact Customer Services with your requirements.  
\*Available in the UK only.

| Part Number | Description                 | Left/Right | Thread   | Weight         |
|-------------|-----------------------------|------------|----------|----------------|
| B00451      | Driving Cup on Stem - Adult | N/A        | 3/8" BSW | 133g (4 1/2oz) |

**Note:** A full range of adapter plates are available. Please see page 138.  
Thread locking compound must be used when assembling adapters to functional devices.



**Large Scale Manufacturing Facility**

**Steeper Production Facility**

The 35,000 square foot Steeper production facility is situated in Leeds, UK. From here our experts in manufacturing, design, quality and head office functions are located to ensure excellence in the manufacturing of medical devices and the service provision to support this.





Our cosmetic hands are designed for dress purposes only and are intended for use with our cosmetic gloves. These hands are made from flexible skinned lightweight foam around a metal skeleton mounted on a plastic base. The skeleton allows individual digits to be positioned.

The base allows attachment to round handplates, oval handplates or M12 threaded stems on most sizes. Full details of each hand and the appropriate glove can be found in the following pages.

A wider range of cosmetic hands are also available, with extended wires and no internal base - used to construct cosmetic prostheses for partial hand patients.



**Cosmetic Hands**

Ideal for users who place great importance on cosmetic appearance and system weight, the advanced materials and manufacturing techniques used to produce these hands ensure detailed, lightweight and durable solutions. These hands are designed for dress purposes only and are intended for use with Steeper cosmetic gloves and high-definition silicone covers. Features include:

- Made from flexible skinned lightweight foam around a metal skeleton mounted on a plastic base
- Passive fingers but the skeleton allows for individual digits to be positioned manually
- Robust construction for positioning
- Easy connection to oval or round wrists, or M12 threaded stems

**Extended Wires Foam Hand**

An additional range of cosmetic hands with extended wires and no internal base is also available to construct robust cosmetic prostheses for partial hand or wrist disarticulation patients.

A socket with a tie plate (B05864) is fabricated and the hand is shortened to the appropriate length, then the extended wires are trimmed and passed through the tie plate. Foam may be added to smooth the transition between socket and hand before the cosmetic glove is fitted.



**Cosmetic Hands and Gloves Ordering Information**

| Hand Part Number | Extended Wires Part Number | Left/Right | Glove No. | Hand Size (W, L, Wrist Dia) | Application               | Length          | Fitted Measures    |                |
|------------------|----------------------------|------------|-----------|-----------------------------|---------------------------|-----------------|--------------------|----------------|
|                  |                            |            |           |                             |                           |                 | Palm Circumference | Middle Finger  |
| B11081           | B11103                     | Left       | 19        | 2" x 3" x 1 1/2"            | Unisex Child - 2-5 Yrs    | 220mm (8 1/2")  | 126mm (5")         | 49mm (2")      |
| B11082           | B11104                     | Right      | 20        | 2" x 3" x 1 1/2"            | Unisex Child - 2-5 Yrs    | 220mm (8 1/2")  | 127mm (5")         | 49mm (2")      |
| B11079           | B11105                     | Left       | 23        | 2 1/4" x 4" x 1 3/4"        | Unisex Child - 5-8 Yrs    | 220mm (8 1/2")  | 141mm (5 1/2")     | 58mm (2 1/4")  |
| B11080           | B11106                     | Right      | 24        | 2 1/4" x 4" x 1 3/4"        | Unisex Child - 5-8 Yrs    | 220mm (8 1/2")  | 145mm (5 3/4")     | 61mm (2 3/8")  |
| B11077           | B11101                     | Left       | 17        | 2 3/8" x 4" x 1 3/4"        | Unisex Child - 6-10 Yrs   | 270mm (10 1/4") | 156mm (6 1/8")     | 61mm (2 3/8")  |
| B11078           | B11102                     | Right      | 18        | 2 3/8" x 4" x 1 3/4"        | Unisex Child - 6-10 Yrs   | 270mm (10 1/4") | 152mm (6")         | 67mm (2 5/8")  |
| B11075           | B11099                     | Left       | 15        | 2 1/2" x 4" x 1 3/4"        | Unisex Child - 8-12 Yrs   | 240mm (9 1/2")  | 160mm (6 3/4")     | 66mm (2 5/8")  |
| B11076           | B11100                     | Right      | 16        | 2 1/2" x 4" x 1 3/4"        | Unisex Child - 8-12 Yrs   | 240mm (9 1/2")  | 160mm (6 3/4")     | 69mm (2 3/4")  |
| B11073           | B11097                     | Left       | 11        | 2 1/2" x 5" x 2"            | Female Child - 8-12 Yrs   | 290mm (11 1/2") | 165mm (6 1/2")     | 72mm (2 7/8")  |
| B11074           | B11098                     | Right      | 12        | 2 1/2" x 5" x 2"            | Female Child - 8-12 Yrs   | 290mm (11 1/2") | 172mm (6 3/4")     | 71mm (2 3/4")  |
| FHL7             | FHEXL7                     | Left       | L7        | 2 3/4" x 5 1/2" x 2 1/8"    | Female Youth/Adult        | 580mm (23")     | 172mm (6 3/4")     | 82mm (3 1/4")  |
| FHL8             | FHEXL8                     | Right      | L8        | 2 3/4" x 5 1/2" x 2 1/8"    | Female Youth/Adult        | 580mm (23")     | 172mm (6 3/4")     | 83mm (3 1/4")  |
| B11069           | B11095                     | Left       | 7*        | 2 3/4" x 5 1/2" x 2 1/8"    | Female Youth/Adult        | 350mm (13 3/4") | 169mm (6 5/8")     | 75mm (3")      |
| B11070           | B11096                     | Right      | 8*        | 2 3/4" x 5 1/2" x 2 1/8"    | Female Youth/Adult        | 350mm (13 3/4") | 173mm (6 3/4")     | 79mm (3 1/8")  |
| B11067           | B11067EX                   | Left       | 107       | 2 3/4" x 5 1/2" x 2 1/8"    | Unisex Youth/Adult - HD   | 340mm (13 1/2") | 168mm (6 5/8")     | 75mm (3")      |
| B11067           | B11067EX                   | Left       | 90        | 2 3/4" x 5 1/2" x 2 1/8"    | Unisex Youth/Adult - HD   | 400mm (15 3/4") | 168mm (6 5/8")     | 75mm (3")      |
| B11068           | B11068EX                   | Right      | 108       | 2 3/4" x 5 1/2" x 2 1/8"    | Unisex Youth/Adult - HD   | 340mm (13 1/2") | 175mm (6 7/8")     | 75mm (3")      |
| B11068           | B11068EX                   | Right      | 91        | 2 3/4" x 5 1/2" x 2 1/8"    | Unisex Youth/Adult - HD   | 400mm (15 3/4") | 175mm (6 7/8")     | 75mm (3")      |
| FHL5             | FHEXL5                     | Left       | L5        | 3" x 5 1/2" x 2 1/8"        | Unisex Adult              | 640mm (25 1/4") | 186mm (7 1/4")     | 81mm (3 1/8")  |
| FHL6             | FHEXL6                     | Right      | L6        | 3" x 5 1/2" x 2 1/8"        | Unisex Adult              | 640mm (25 1/4") | 186mm (7 1/4")     | 85mm (3 3/8")  |
| B11063           | B11091                     | Left       | 5*        | 3" x 5 1/2" x 2 1/8"        | Male Adult                | 400mm (15 3/4") | 183mm (7 3/8")     | 83mm (3 1/4")  |
| B11064           | B11092                     | Right      | 6*        | 3" x 5 1/2" x 2 1/8"        | Male Adult                | 400mm (15 3/4") | 188mm (7 3/8")     | 83mm (3 1/4")  |
| B11065           | B11093                     | Left       | 5*        | 3" x 5 1/2" x 2 1/8"        | Female Adult              | 360mm (14")     | 184mm (7 1/4")     | 84mm (3 3/8")  |
| B11066           | B11094                     | Right      | 6*        | 3" x 5 1/2" x 2 1/8"        | Female Adult              | 360mm (14")     | 187mm (7 3/8")     | 88mm (3 1/2")  |
| B11061           | B11061EX                   | Left       | 105L*     | 3" x 5 1/2" x 2 1/8"        | Female Adult - HD         | 540mm (21 1/4") | 191mm (7 1/2")     | 80mm (3 1/8")  |
| B11062           | B11062EX                   | Right      | 106L*     | 3" x 5 1/2" x 2 1/8"        | Female Adult - HD         | 540mm (21 1/4") | 189mm (7 1/2")     | 82mm (3 1/4")  |
| FHL3             | FHEXL3                     | Left       | L3        | 3 1/4" x 5 1/2" x 2 1/8"    | Male Adult                | 630mm (25")     | 205mm (8")         | 89mm (3 1/2")  |
| FHL4             | FHEXL4                     | Right      | L4        | 3 1/4" x 5 1/2" x 2 1/8"    | Male Adult                | 630mm (25")     | 205mm (8")         | 90mm (3 1/2")  |
| B11059           | B11087                     | Left       | 3*        | 3 1/4" x 5 1/2" x 2 1/8"    | Male Adult                | 360mm (14")     | 204mm (8")         | 90mm (3 1/2")  |
| B11060           | B11088                     | Right      | 4*        | 3 1/4" x 5 1/2" x 2 1/8"    | Male Adult                | 360mm (14")     | 205mm (8")         | 88mm (3 1/2")  |
| FHL21            | FHEXL21                    | Left       | L21       | 3 1/4" x 5 1/2" x 2 1/8"    | Male Adult - Long Fingers | 430mm (17")     | 202mm (7 7/8")     | 95mm (3 3/4")  |
| FHL22            | FHEXL22                    | Right      | L22       | 3 1/4" x 5 1/2" x 2 1/8"    | Male Adult - Long Fingers | 430mm (17")     | 202mm (7 7/8")     | 95mm (3 3/4")  |
| B11057           | B11089                     | Left       | 21*       | 3 1/4" x 5 1/2" x 2 1/8"    | Male Adult - Long Fingers | 430mm (17")     | 204mm (8")         | 100mm (4")     |
| B11058           | B11090                     | Right      | 22*       | 3 1/4" x 5 1/2" x 2 1/8"    | Male Adult - Long Fingers | 430mm (17")     | 202mm (7 7/8")     | 94mm (3 5/8")  |
| B11055           | B11055EX                   | Left       | 103       | 3 1/4" x 5 1/2" x 2 1/8"    | Male Adult - HD           | 350mm (13 3/4") | 201mm (7 7/8")     | 89mm (3 1/2")  |
| B11056           | B11056EX                   | Right      | 104       | 3 1/4" x 5 1/2" x 2 1/8"    | Male Adult - HD           | 350mm (13 3/4") | 205mm (8")         | 90mm (3 1/2")  |
| FHL1             | FHEXL1                     | Left       | L1        | 3 1/2" x 5 1/2" x 2 1/8"    | Male Adult                | 620mm (24 1/2") | 212mm (8 1/4")     | 100mm (4")     |
| FHL2             | FHEXL2                     | Right      | L2        | 3 1/2" x 5 1/2" x 2 1/8"    | Male Adult                | 620mm (24 1/2") | 212mm (8 1/4")     | 98mm (3 7/8")  |
| B11053           | B11083                     | Left       | 1         | 3 1/2" x 5 1/2" x 2 1/8"    | Male Adult                | 350mm (13 3/4") | 220mm (8 5/8")     | 99mm (3 7/8")  |
| B11054           | B11084                     | Right      | 2         | 3 1/2" x 5 1/2" x 2 1/8"    | Male Adult                | 350mm (13 3/4") | 219mm (8 5/8")     | 103mm (4")     |
| B21139           | B21139EX                   | Left       | 200       | 3 3/4" x 5 1/2" x 2 1/8"    | Male Adult                | 400mm (15 3/4") | 229mm (9")         | 108mm (4 1/4") |
| B21140           | B21140EX                   | Right      | 201       | 3 3/4" x 5 1/2" x 2 1/8"    | Male Adult                | 400mm (15 3/4") | 229mm (9")         | 108mm (4 1/4") |

\*Partial hand available.

Please see the following pages for our entire glove range in more detail, including specific ordering information for gloves and cosmetic hands.

**Cosmetic Gloves (for passive hands)**

We manufacture a wide range of cosmetic gloves in both PVC and silicone, designed to suit Steeper passive hands as well as hands from other manufacturers.

Both PVC and silicone gloves are available in Standard or TrueFinish™ shades. TrueFinish™ features micropigmentation for a more lifelike appearance, available in 19 colours (E0 - E18).

Our glove range is detailed over the following pages with reference made to the glove number e.g. 302. To select the correct glove apply a prefix to the number as follows:

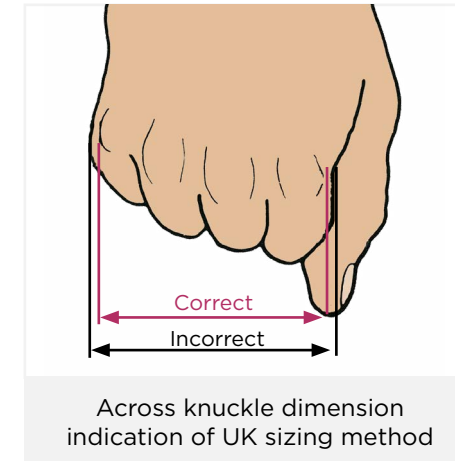
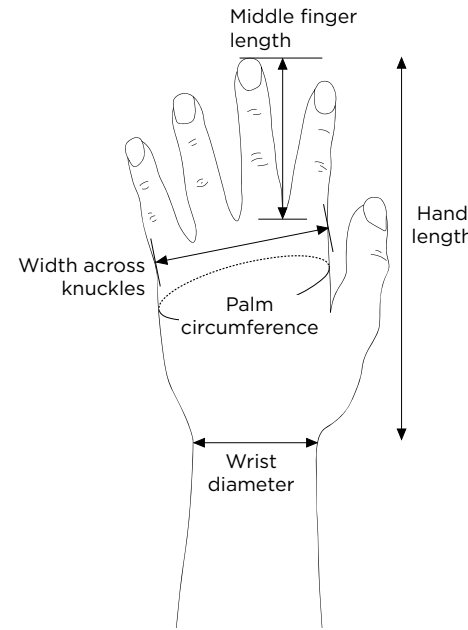
- CG** - Standard PVC
  - TG** - TrueFinish™ PVC
  - SG** - Standard Silicone
  - TSG** - TrueFinish™ Silicone
- e.g. TSG302/E4 - TrueFinish™ Silicone Glove 7 ¾" Left, Colour E4

Please refer to opposite page for cosmetic glove colour options.



Cosmetic Glove

**Glove Dimensions**



Across knuckle dimension indication of UK sizing method

**Note:** This is described as 'Hand size' on the ordering information table on p.87.

**Elegance and Elegance Plus Gloves (for myoelectric and functional hands)**

The Elegance range is available in both PVC and silicone, and in 19 TrueFinish™ shades and have been designed to work with myoelectric hands, Steeper cable and spring operated hands, as well as myoelectric and functional hands from other manufacturers.

The Elegance Plus silicone glove has been specifically designed to fit the Myo Kinisi. Crafted using multiple layers of advanced silicone material and constructed with an integrated, reinforced inner mesh layer these gloves are highly tear-resistant and are especially suitable for higher activity patients. The addition of an easy-glide coating allows for clothing to be donned or doffed easily and the enhanced detailing on the knuckles, palms, and nail finish provides increased realism.

**Two-Tone Finish Gloves**

Our two-tone finish gloves are available in Standard (CG) or TrueFinish™ (TG) PVC. Please select the palmar colour (lighter and always allocated to the palm) and then the secondary dorsal colour. The dorsal colour is then applied to the glove to complete the two-tone appearance. Please use the glove ordering chart where this is required and discuss your requirements with your local supplier.

**Note:** Two tone gloves are only available in dorsal shades E13, E16 and E18

**Partial Hand Gloves**

Several popular glove sizes are also available with a wider wrist and are recognisable by the identifier PH.

e.g. TG3PH - TrueFinish™ PVC, 3 ¾" Left Wide Wrist

These can be used for partial hand patients who require a cosmetic replacement. The wider wrist allows the residual limb to fit inside the glove and the remaining void can be filled with a soft filler.

For partial hand patients where the residual limb will not fit inside the glove, a zip may be fitted to CG and TG gloves. Please use the glove ordering chart where this is required and discuss your requirements with your local supplier.

**Note:** Two tone, bilateral and unpainted nail gloves are special orders, please specify these details at the point of order.



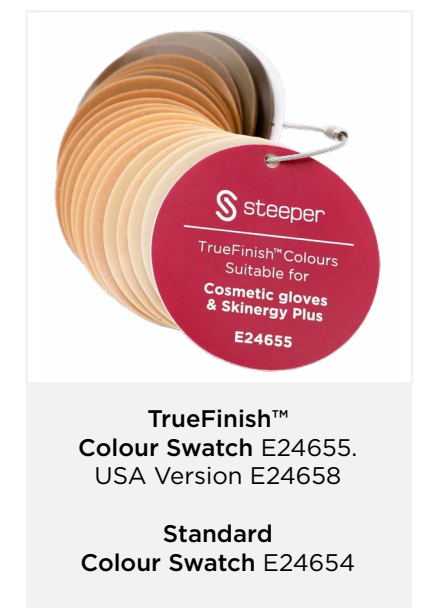
Two-Tone Finish PVC Glove

**Cosmetic Glove Colours**

To help you select the most appropriate colour of glove, swatches are available and supplied without charge. These are manufactured from production silicone for the most accurate colour matching and will not fade or discolour over time.

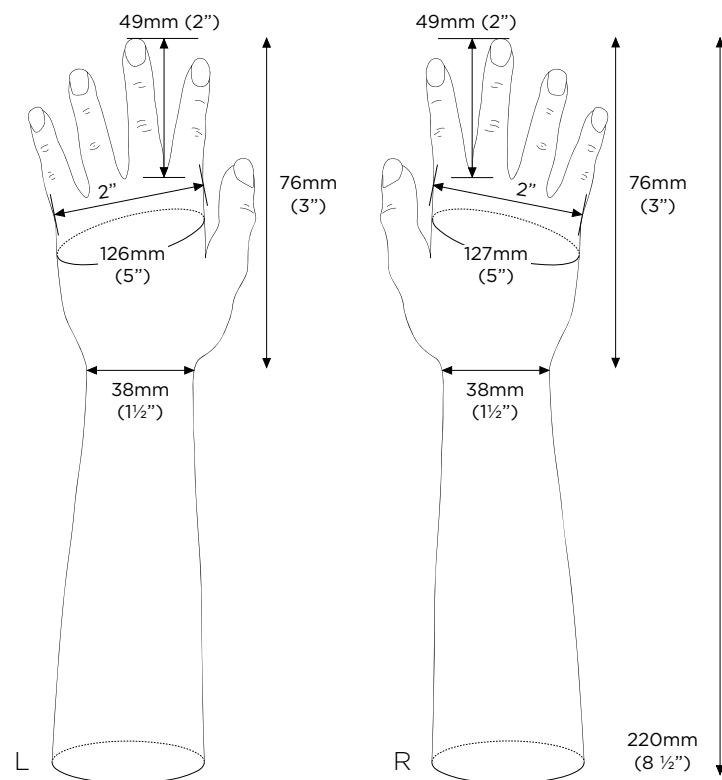
|     |     |     |     |  |
|-----|-----|-----|-----|--|
| E0  | E1  | E2  | E3  | E4   |
| E5  | E6  | E7  | E8  | E9   |
| E10 | E11 | E12 | E13 | E14  |
| E15 | E16 | E17 | E18 | <b>Note:</b> Swatch colours are for indication only. |

A solid black glove is available using code E20, this is supplied without painted nails.





**Children 2-5 Years Glove | 19 & 20**  
**Unisex, 2"**



**Note:** Round Wrist only available with this glove

**Cosmetic/Passive Hands Ordering Information**

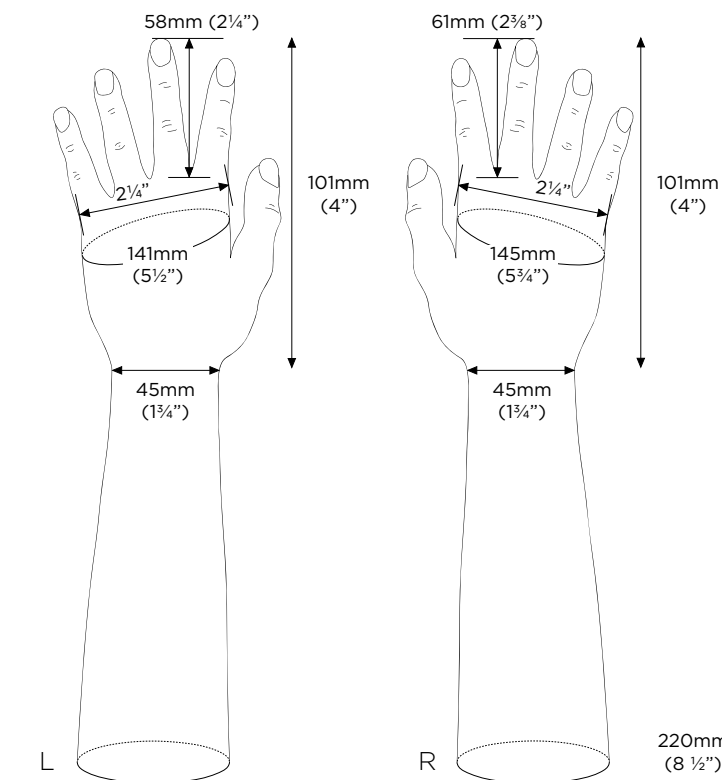
|                               | Left   | Right  |
|-------------------------------|--------|--------|
| Foam Hand                     | B11081 | B11082 |
| Foam Hand with Extended Wires | B11103 | B11104 |

**Cosmetic Glove Ordering Information**

Replace # with the chosen TrueFinish™ or Standard colour EO-E18, see page 89 for swatches.

|                            | Left     | Right    |
|----------------------------|----------|----------|
| TrueFinish™ Silicone Glove | TSG19/E# | TSG20/E# |
| Standard Silicone Glove    | SG19/E#  | SG20/E#  |
| TrueFinish™ PVC Glove      | TG19/E#  | TG20/E#  |
| Standard PVC Glove         | CG19/E#  | CG20/E#  |

**Child 5-8 Years Glove | 23 & 24**  
**Unisex, 2 1/4"**



**Note:** Oval and Round Wrist options available.

**Cosmetic/Passive Hands Ordering Information**

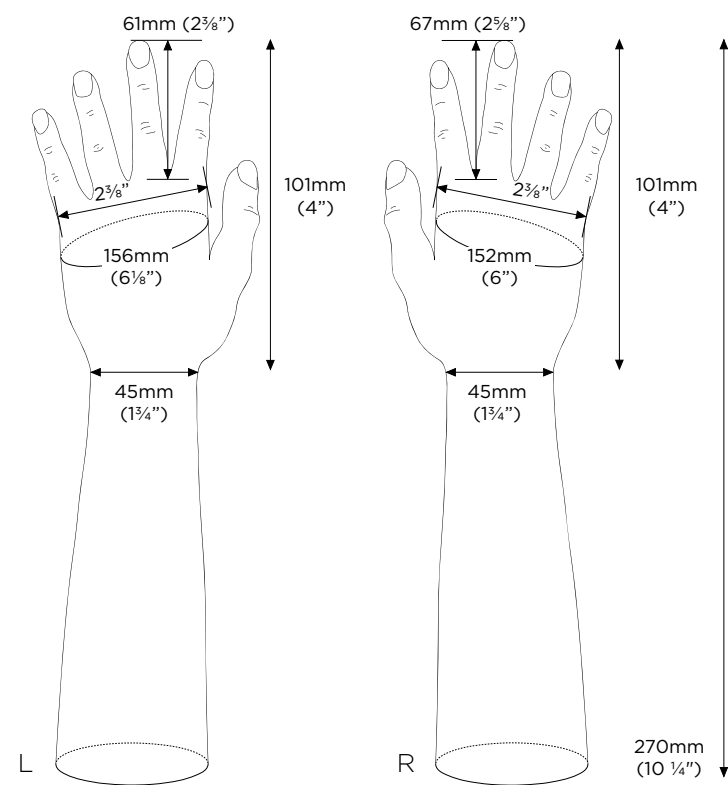
|                               | Left   | Right  |
|-------------------------------|--------|--------|
| Foam Hand                     | B11079 | B11080 |
| Foam Hand with Extended Wires | B11105 | B11106 |

**Cosmetic Glove Ordering Information**

Replace # with the chosen TrueFinish™ or Standard colour EO-E18, see page 89 for swatches.

|                            | Left     | Right    |
|----------------------------|----------|----------|
| TrueFinish™ Silicone Glove | TSG23/E# | TSG24/E# |
| Standard Silicone Glove    | SG23/E#  | SG24/E#  |
| TrueFinish™ PVC Glove      | TG23/E#  | TG24/E#  |
| Standard PVC Glove         | CG23/E#  | CG24/E#  |

**Child 6-10 Years Glove | 17 & 18**  
**Unisex, 2<sup>3</sup>/<sub>8</sub>"**



**Note:** Oval and Round Wrist options available.

**Cosmetic/Passive Hands Ordering Information**

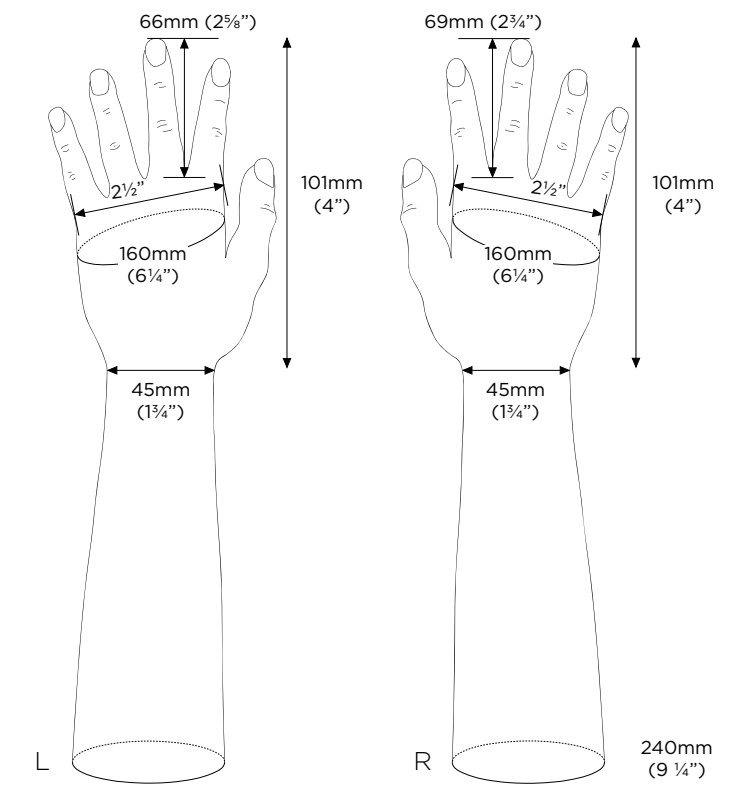
|                               | Left   | Right  |
|-------------------------------|--------|--------|
| Foam Hand                     | B11077 | B11078 |
| Foam Hand with Extended Wires | B11101 | B11102 |

**Cosmetic Glove Ordering Information**

Replace # with the chosen TrueFinish™ or Standard colour EO-E18, see page 89 for swatches.

|                            | Left     | Right    |
|----------------------------|----------|----------|
| TrueFinish™ Silicone Glove | TSG17/E# | TSG18/E# |
| Standard Silicone Glove    | SG17/E#  | SG18/E#  |
| TrueFinish™ PVC Glove      | TG17/E#  | TG18/E#  |
| Standard PVC Glove         | CG17/E#  | CG18/E#  |

**Child 8-12 Years Glove | 15 & 16**  
**Unisex, 2<sup>1</sup>/<sub>2</sub>"**



**Note:** Oval and Round Wrist options available.

**Cosmetic/Passive Hands Ordering Information**

|                               | Left   | Right  |
|-------------------------------|--------|--------|
| Foam Hand                     | B11075 | B11076 |
| Foam Hand with Extended Wires | B11099 | B11100 |

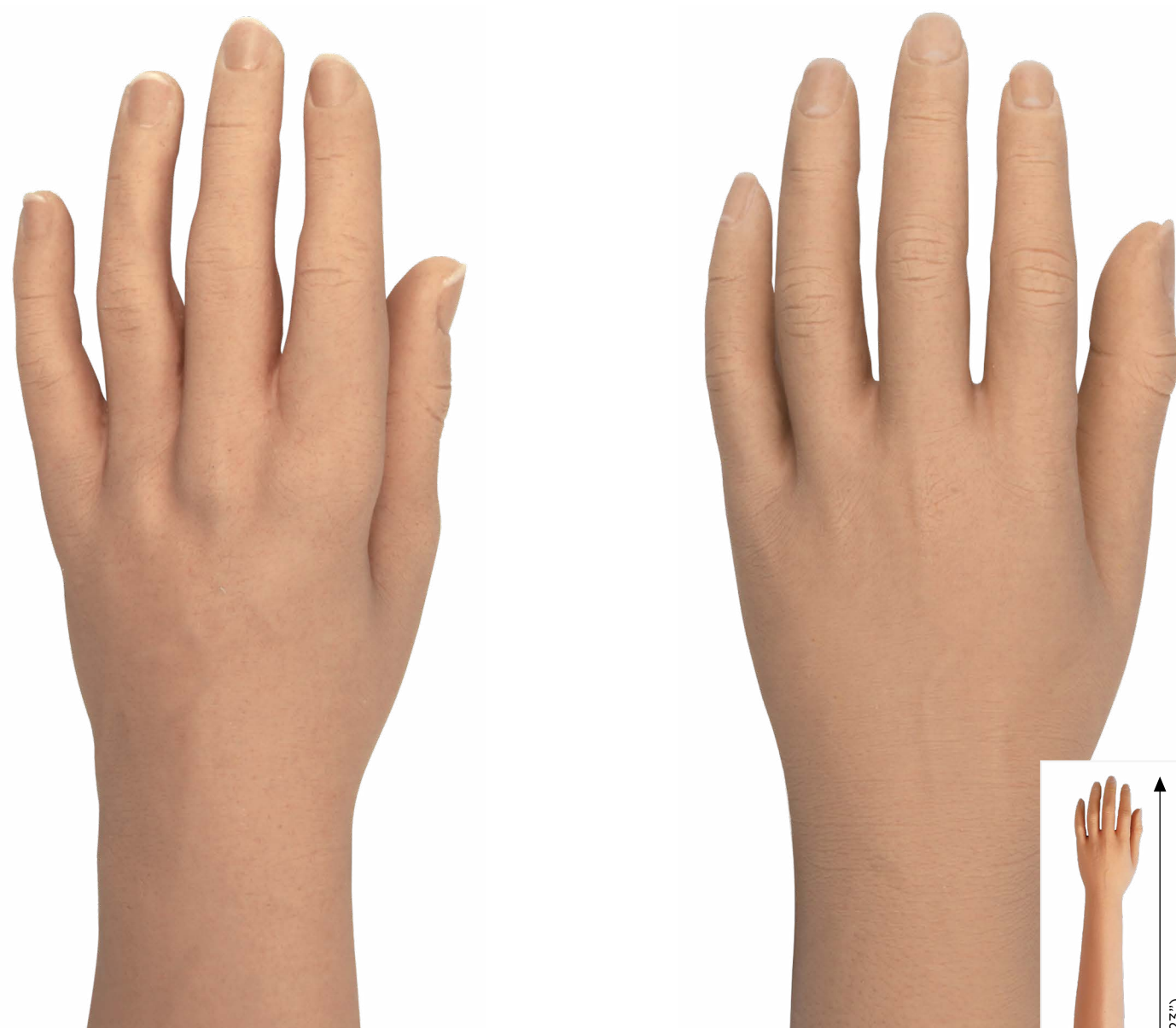
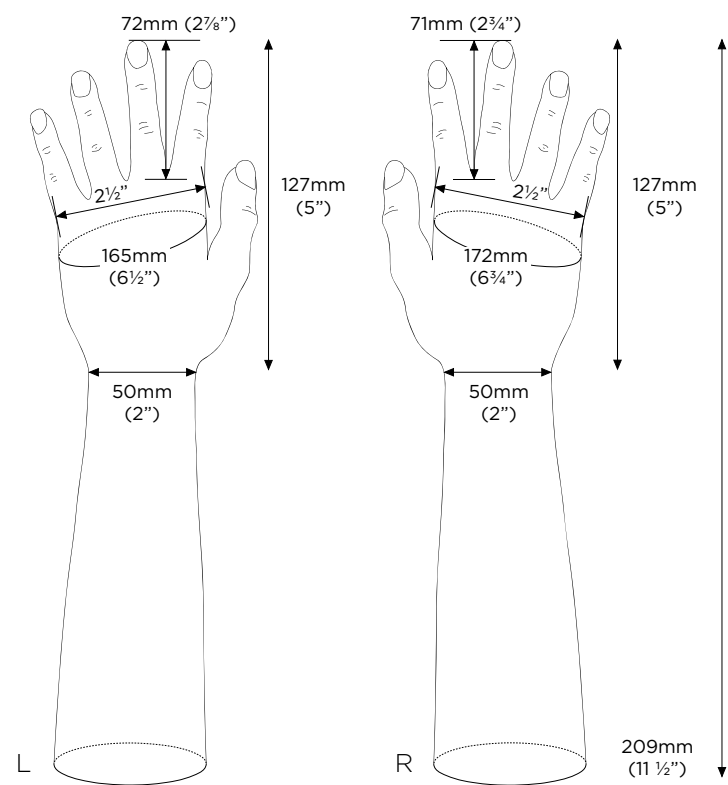
**Cosmetic Glove Ordering Information**

Replace # with the chosen TrueFinish™ or Standard colour EO-E18, see page 89 for swatches.

|                            | Left     | Right    |
|----------------------------|----------|----------|
| TrueFinish™ Silicone Glove | TSG15/E# | TSG16/E# |
| Standard Silicone Glove    | SG15/E#  | SG16/E#  |
| TrueFinish™ PVC Glove      | TG15/E#  | TG16/E#  |
| Standard PVC Glove         | CG15/E#  | CG16/E#  |



**Child 8-12 Years Glove | 11 & 12 Female, 2½"**



**Cosmetic/Passive Hands Ordering Information**

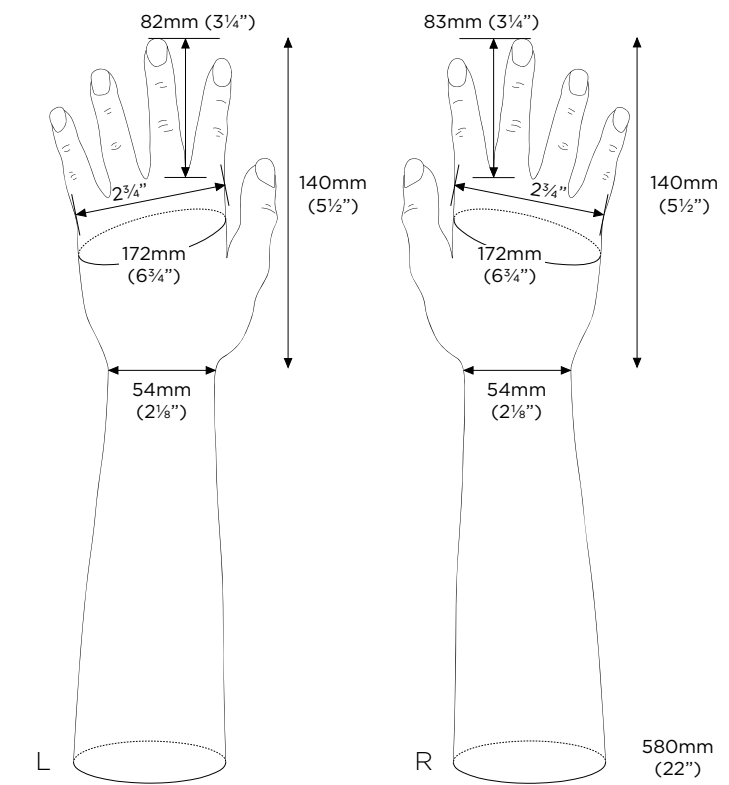
|                               | Left   | Right  |
|-------------------------------|--------|--------|
| Foam Hand                     | B11073 | B11074 |
| Foam Hand with Extended Wires | B11097 | B11098 |

**Cosmetic Glove Ordering Information**

Replace # with the chosen TrueFinish™ or Standard colour EO-E18, see page 89 for swatches.

|                            | Left     | Right    |
|----------------------------|----------|----------|
| TrueFinish™ Silicone Glove | TSG11/E# | TSG12/E# |
| Standard Silicone Glove    | SG11/E#  | SG12/E#  |
| TrueFinish™ PVC Glove      | TG11/E#  | TG12/E#  |
| Standard PVC Glove         | CG11/E#  | CG12/E#  |

**Youth/Adult Glove | L7 & L8 Female, Long Mould, 2¾"**



**Cosmetic/Passive Hands Ordering Information**

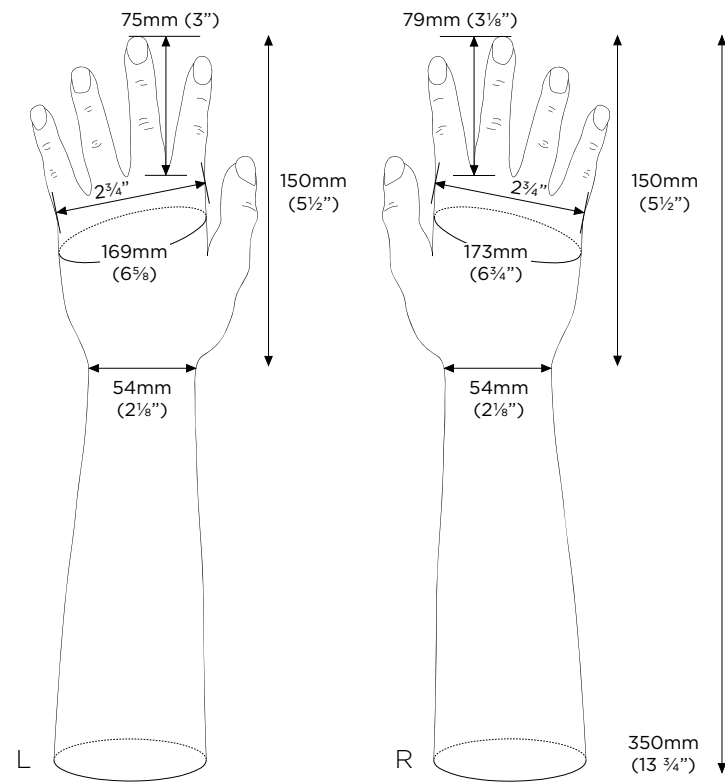
|                               | Left   | Right  |
|-------------------------------|--------|--------|
| Foam Hand                     | FHL7   | FHL8   |
| Foam Hand with Extended Wires | FHEXL7 | FHEXL8 |

**Cosmetic Glove Ordering Information**

Replace # with the chosen TrueFinish™ or Standard colour EO-E18, see page 89 for swatches.

|                            | Left     | Right    |
|----------------------------|----------|----------|
| TrueFinish™ Silicone Glove | TSGL7/E# | TSGL8/E# |
| Standard Silicone Glove    | SGL7/E#  | SGL8/E#  |
| TrueFinish™ PVC Glove      | TGL7/E#  | TGL8/E#  |
| Standard PVC Glove         | CGL7/E#  | CGL8/E#  |

**Youth/Adult Glove | 7 & 8**  
**Female, 2¾"**



**Cosmetic/Passive Hands Ordering Information**

|                               | Left   | Right  |
|-------------------------------|--------|--------|
| Foam Hand                     | B11069 | B11070 |
| Foam Hand with Extended Wires | B11095 | B11096 |

**Cosmetic Glove Ordering Information**

Replace # with the chosen TrueFinish™ or Standard colour EO-E18, see page 89 for swatches.

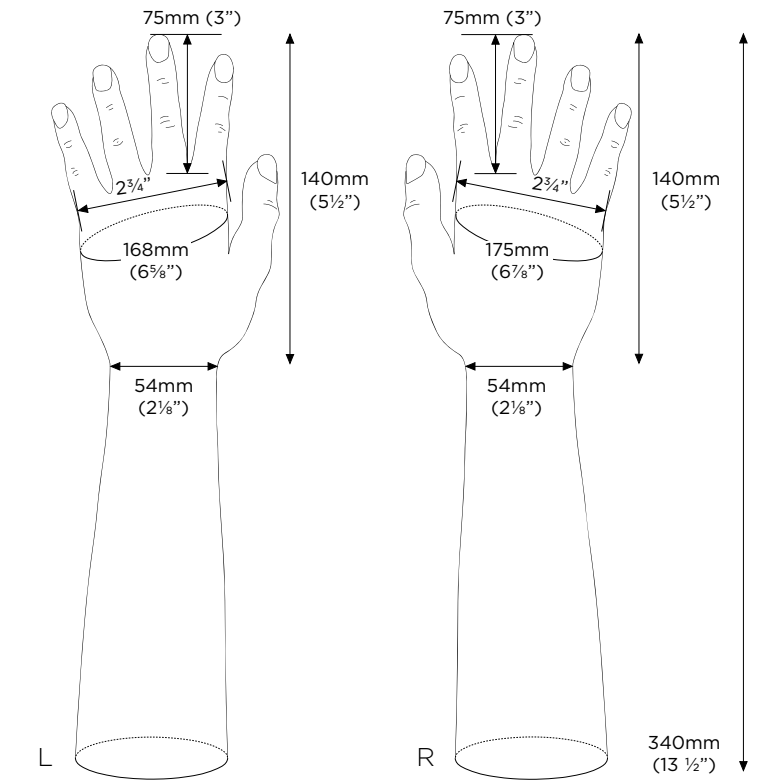
|                            | Left    | Right   |
|----------------------------|---------|---------|
| TrueFinish™ Silicone Glove | TSG7/E# | TSG8/E# |
| Standard Silicone Glove    | SG7/E#  | SG8/E#  |
| TrueFinish™ PVC Glove      | TG7/E#  | TG8/E#  |
| Standard PVC Glove         | CG7/E#  | CG8/E#  |

**Partial Hand Glove Ordering Information**

Replace # with the chosen TrueFinish™ or Standard colour EO-E18, see page 89 for swatches.

|                      | Left      | Right     |
|----------------------|-----------|-----------|
| TrueFinish™ Silicone | TSG7PH/E# | TSG8PH/E# |
| Standard Silicone    | SG7PH/E#  | SG8PH/E#  |
| TrueFinish™ PVC      | TG7PH/E#  | TG8PH/E#  |
| Standard PVC         | CG7PH/E#  | CG8PH/E#  |

**Youth/Adult High Definition Glove | 107 & 108**  
**Female, 2¾"**



**Cosmetic/Passive Hands Ordering Information**

|                               | Left     | Right    |
|-------------------------------|----------|----------|
| Foam Hand                     | B11067   | B11068   |
| Foam Hand with Extended Wires | B11067EX | B11068EX |

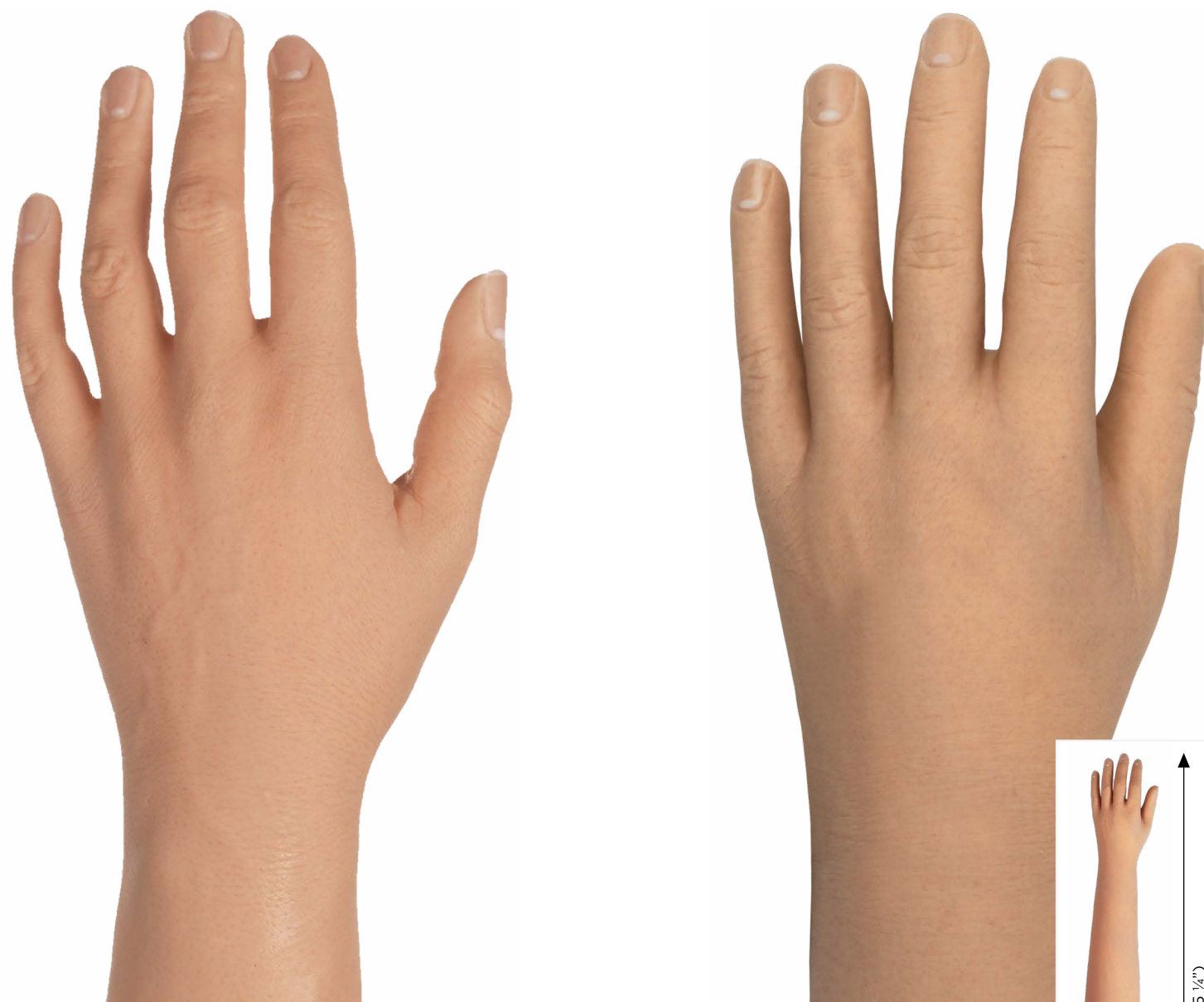
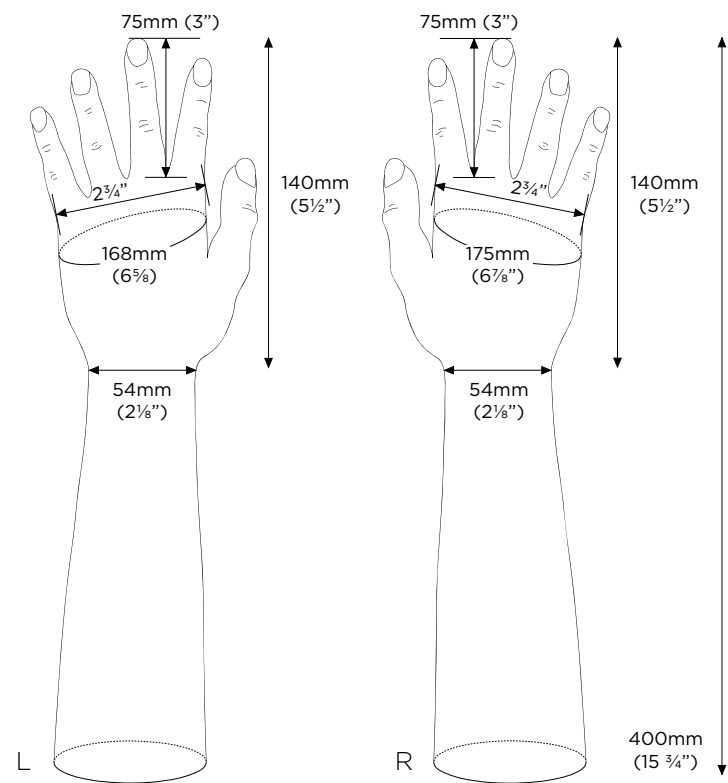
**Cosmetic Glove Ordering Information**

Replace # with the chosen TrueFinish™ or Standard colour EO-E18, see page 89 for swatches.

|                            | Left      | Right     |
|----------------------------|-----------|-----------|
| TrueFinish™ Silicone Glove | TSG107/E# | TSG108/E# |
| Standard Silicone Glove    | SG107/E#  | SG108/E#  |
| TrueFinish™ PVC Glove      | TG107/E#  | TG108/E#  |
| Standard PVC Glove         | CG107/E#  | CG108/E#  |



**Youth/Adult High Definition Glove | 90 & 91**  
**Male, 2¾"**



**Cosmetic/Passive Hands Ordering Information**

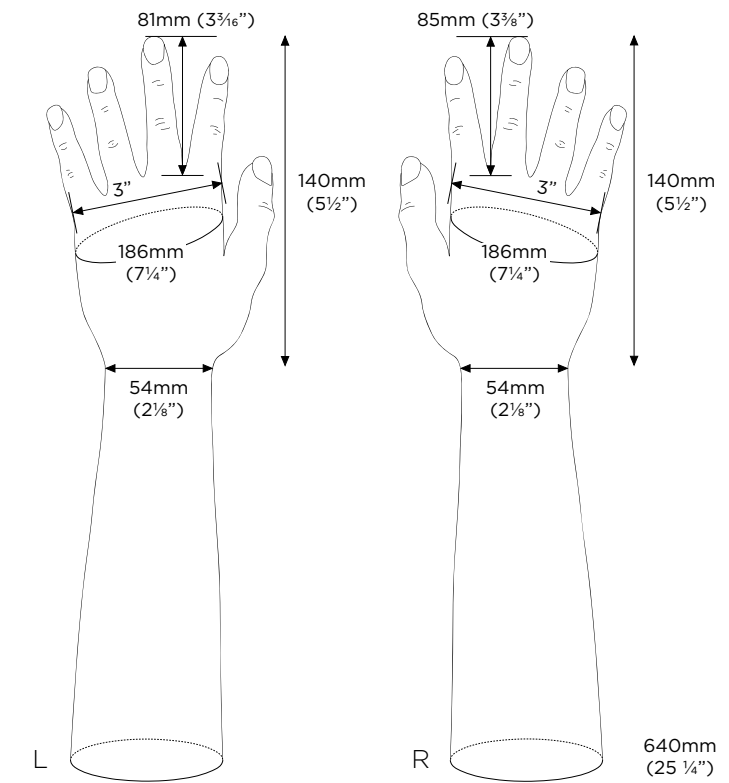
|                               | Left     | Right    |
|-------------------------------|----------|----------|
| Foam Hand                     | B11067   | B11068   |
| Foam Hand with Extended Wires | B11067EX | B11068EX |

**Cosmetic Glove Ordering Information**

Replace # with the chosen TrueFinish™ or Standard colour EO-E18, see page 89 for swatches.

|                            | Left     | Right    |
|----------------------------|----------|----------|
| TrueFinish™ Silicone Glove | TSG90/E# | TSG91/E# |
| Standard Silicone Glove    | SG90/E#  | SG91/E#  |
| TrueFinish™ PVC Glove      | TG90/E#  | TG91/E#  |
| Standard PVC Glove         | CG90/E#  | CG91/E#  |

**Adult Glove | L5 & L6**  
**Unisex, Long Mould, 3"**



**Cosmetic/Passive Hands Ordering Information**

|                               | Left   | Right  |
|-------------------------------|--------|--------|
| Foam Hand                     | FHL5   | FHL6   |
| Foam Hand with Extended Wires | FHEXL5 | FHEXL6 |

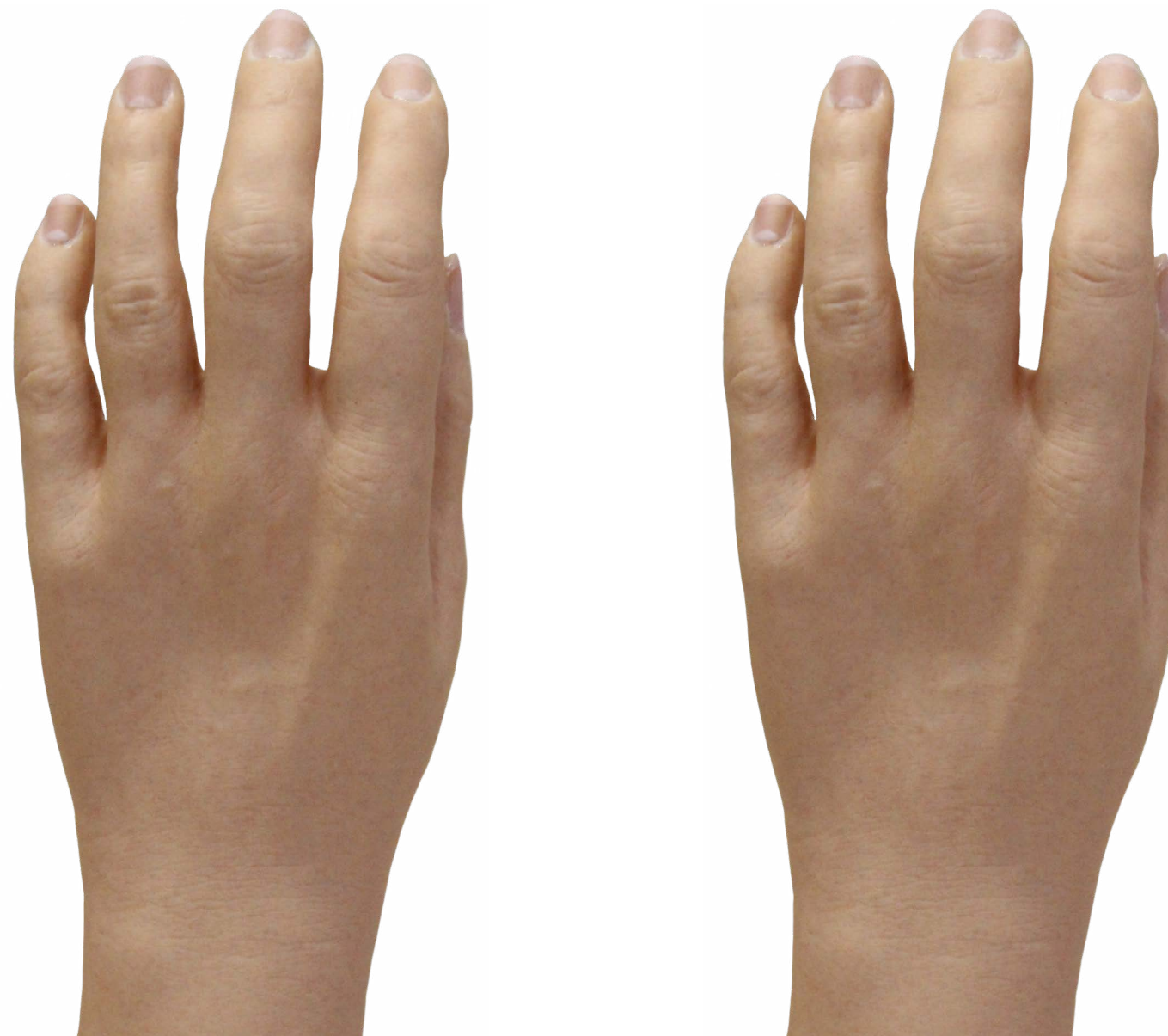
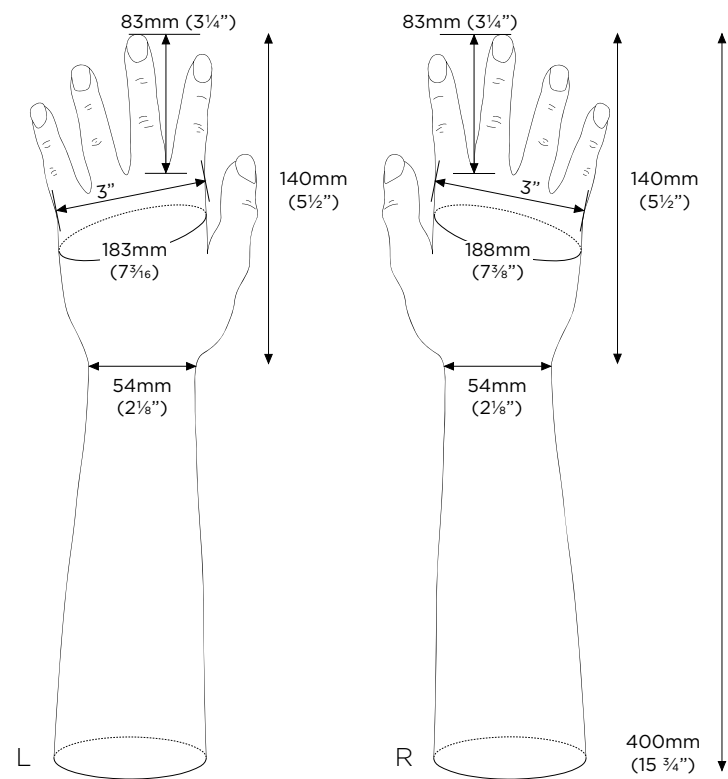
**Cosmetic Glove Ordering Information**

Replace # with the chosen TrueFinish™ or Standard colour EO-E18, see page 89 for swatches.

|                            | Left     | Right    |
|----------------------------|----------|----------|
| TrueFinish™ Silicone Glove | TSGL5/E# | TSGL6/E# |
| Standard Silicone Glove    | SGL5/E#  | SGL6/E#  |
| TrueFinish™ PVC Glove      | TGL5/E#  | TGL6/E#  |
| Standard PVC Glove         | CGL5/E#  | CGL6/E#  |



**Adult Glove | 5 & 6**  
**Male, 3"**



**Cosmetic/Passive Hands Ordering Information**

|                               | Left   | Right  |
|-------------------------------|--------|--------|
| Foam Hand                     | B11063 | B11064 |
| Foam Hand with Extended Wires | B11091 | B11092 |

**Cosmetic Glove Ordering Information**

Replace # with the chosen TrueFinish™ or Standard colour EO-E18, see page 89 for swatches.

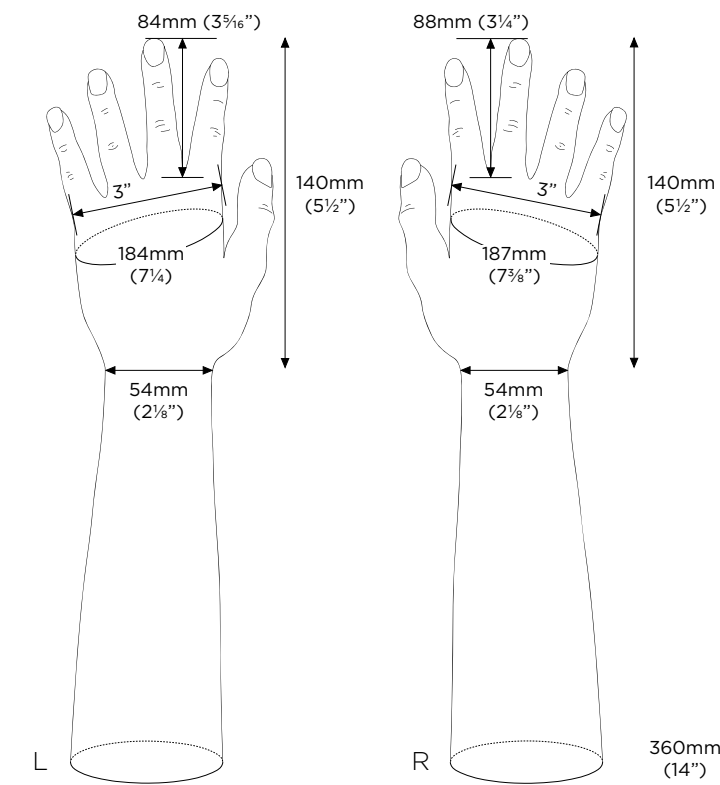
|                            | Left    | Right   |
|----------------------------|---------|---------|
| TrueFinish™ Silicone Glove | TSG5/E# | TSG6/E# |
| Standard Silicone Glove    | SG5/E#  | SG6/E#  |
| TrueFinish™ PVC Glove      | TG5/E#  | TG6/E#  |
| Standard PVC Glove         | CG5/E#  | CG6/E#  |

**Partial Hand Glove Ordering Information**

Replace # with the chosen TrueFinish™ or Standard colour EO-E18, see page 89 for swatches.

|                      | Left      | Right     |
|----------------------|-----------|-----------|
| TrueFinish™ Silicone | TSG5PH/E# | TSG6PH/E# |
| Standard Silicone    | SG5PH/E#  | SG6PH/E#  |
| TrueFinish™ PVC      | TG5PH/E#  | TG6PH/E#  |
| Standard PVC         | CG5PH/E#  | CG6PH/E#  |

**Adult Glove | 5 & 6**  
**Female, 3"**



**Cosmetic/Passive Hands Ordering Information**

|                               | Left   | Right  |
|-------------------------------|--------|--------|
| Foam Hand                     | B11065 | B11066 |
| Foam Hand with Extended Wires | B11093 | B11094 |

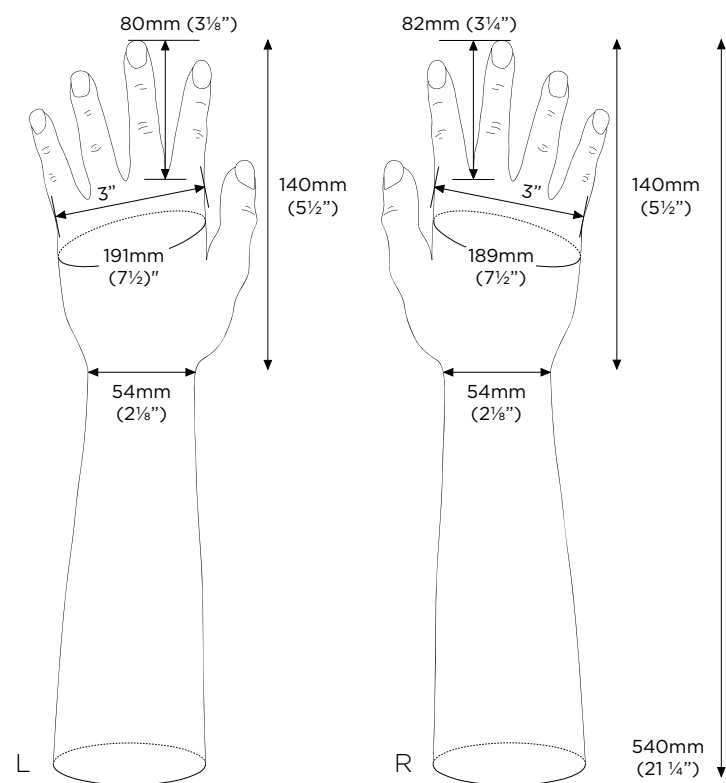
**Cosmetic Glove Ordering Information**

Replace # with the chosen TrueFinish™ or Standard colour EO-E18, see page 89 for swatches.

|                            | Left    | Right   |
|----------------------------|---------|---------|
| TrueFinish™ Silicone Glove | TSG5/E# | TSG6/E# |
| Standard Silicone Glove    | SG5/E#  | SG6/E#  |
| TrueFinish™ PVC Glove      | TG5/E#  | TG6/E#  |
| Standard PVC Glove         | CG5/E#  | CG6/E#  |



**Adult High Definition Glove | 105L & 106L  
Female, 3"**



**Cosmetic/Passive Hands Ordering Information**

|                               | Left     | Right    |
|-------------------------------|----------|----------|
| Foam Hand                     | B11061   | B11062   |
| Foam Hand with Extended Wires | B11061EX | B11062EX |

**Cosmetic Glove Ordering Information**

Replace # with the chosen TrueFinish™ or Standard colour EO-E18, see page 89 for swatches.

|                            | Left       | Right      |
|----------------------------|------------|------------|
| TrueFinish™ Silicone Glove | TSG105L/E# | TSG106L/E# |
| Standard Silicone Glove    | SG105L/E#  | SG106L/E#  |
| TrueFinish™ PVC Glove      | TG105L/E#  | TG106L/E#  |
| Standard PVC Glove         | CG105L/E#  | CG106L/E#  |

**Partial Hand Glove Ordering Information**

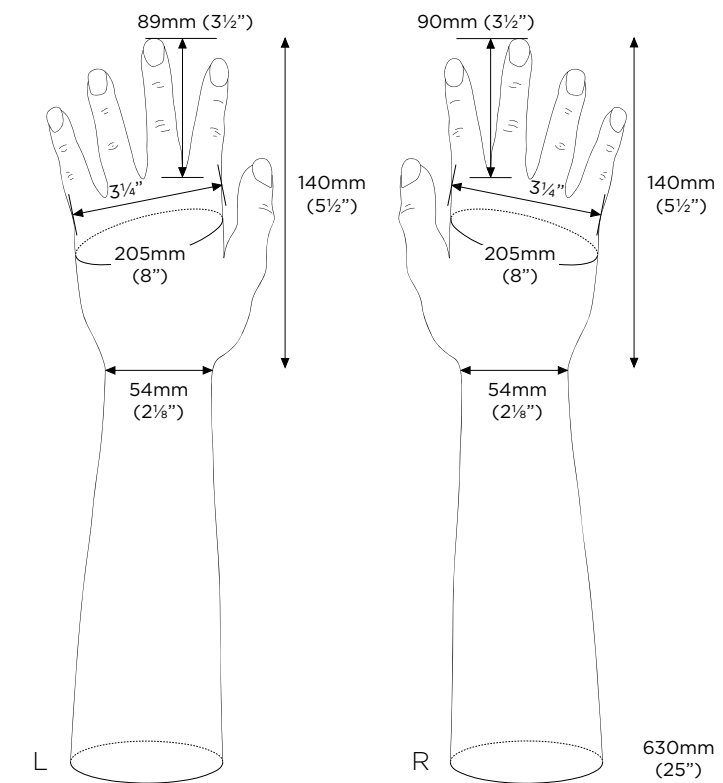
Replace # with the chosen TrueFinish™ or Standard colour EO-E18, see page 89 for swatches.

|                      | Left        | Right       |
|----------------------|-------------|-------------|
| TrueFinish™ Silicone | TSG105PH/E# | TSG106PH/E# |
| Standard Silicone    | SG105PH/E#  | SG106PH/E#  |
| TrueFinish™ PVC      | TG105PH/E#  | TG106PH/E#  |
| Standard PVC         | CG105PH/E#  | CG106PH/E#  |



Long Mould

**Adult Glove | L3 & L4  
Male, Long Mould, 3 1/4"**



**Cosmetic/Passive Hands Ordering Information**

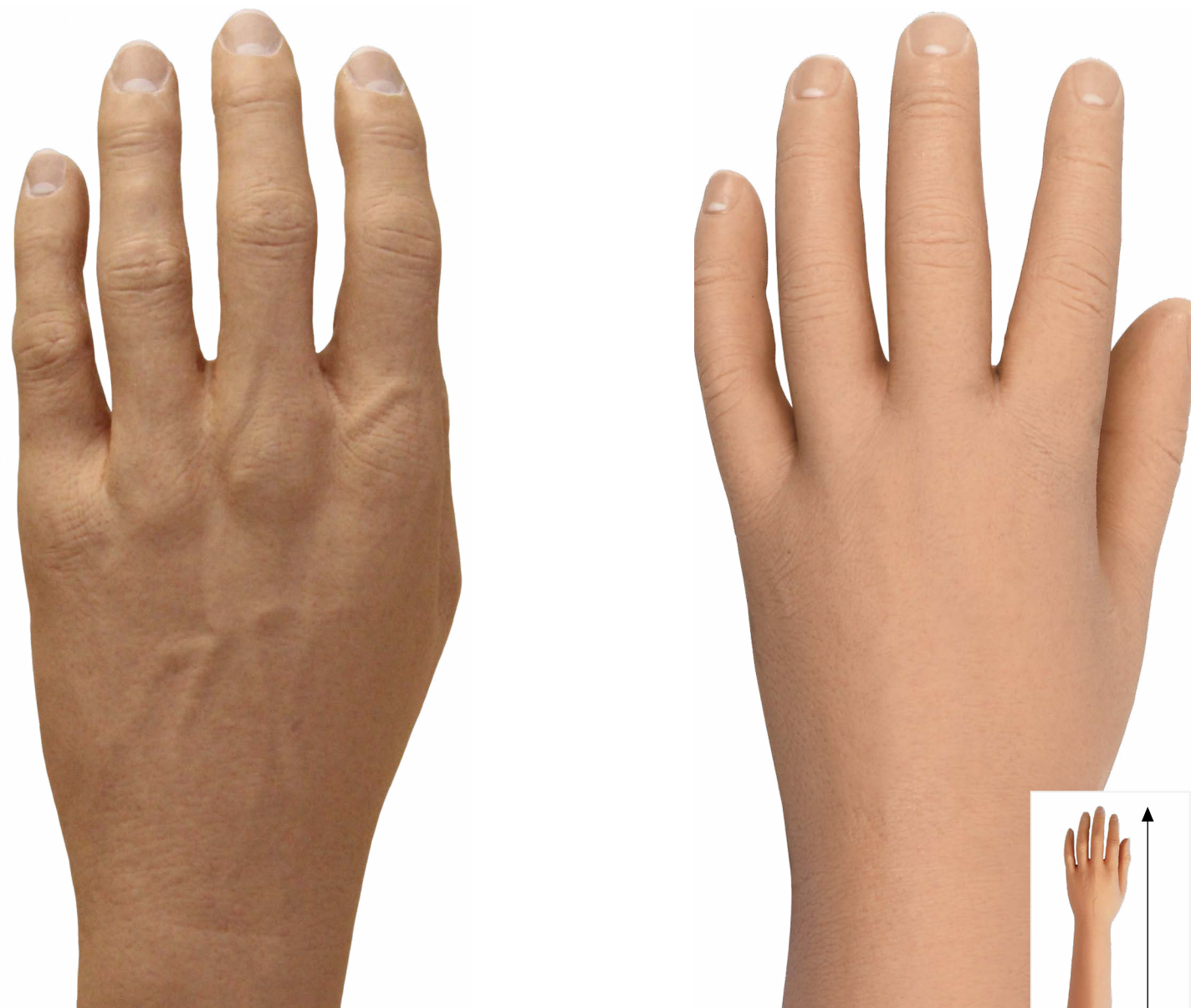
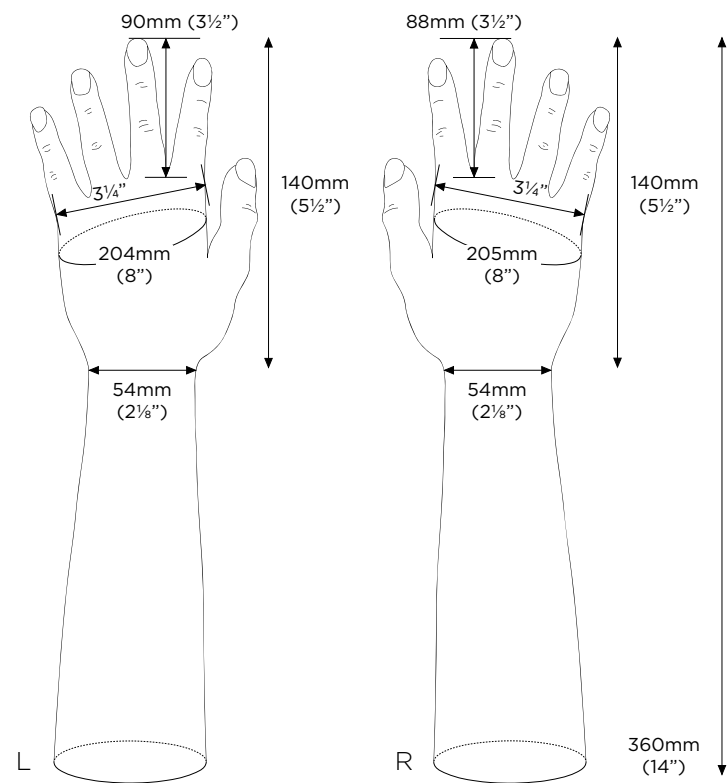
|                               | Left   | Right  |
|-------------------------------|--------|--------|
| Foam Hand                     | FHL3   | FHL4   |
| Foam Hand with Extended Wires | FHEXL3 | FHEXL4 |

**Cosmetic Glove Ordering Information**

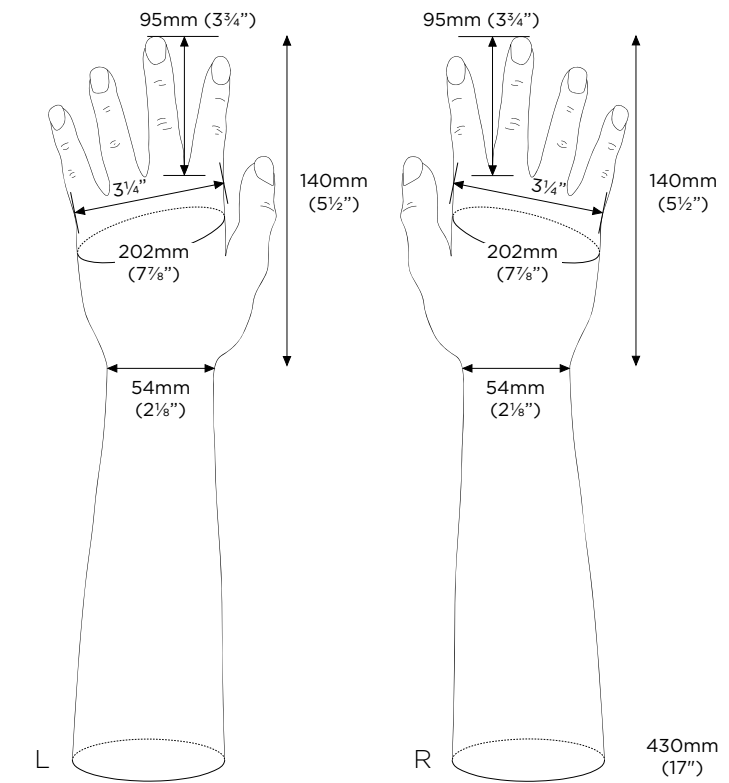
Replace # with the chosen TrueFinish™ or Standard colour EO-E18, see page 89 for swatches.

|                            | Left     | Right    |
|----------------------------|----------|----------|
| TrueFinish™ Silicone Glove | TSGL3/E# | TSGL4/E# |
| Standard Silicone Glove    | SGL3/E#  | SGL4/E#  |
| TrueFinish™ PVC Glove      | TGL3/E#  | TGL4/E#  |
| Standard PVC Glove         | CGL3/E#  | CGL4/E#  |

**Adult Glove | 3 & 4**  
**Male, 3¼"**



**Adult | L21 & L22**  
**Male, Long Mould & Fingers, 3¼"**



**Cosmetic/Passive Hands Ordering Information**

|                               | Left   | Right  |
|-------------------------------|--------|--------|
| Foam Hand                     | B11059 | B11060 |
| Foam Hand with Extended Wires | B11087 | B11088 |

**Cosmetic/Passive Hands Ordering Information**

|                               | Left    | Right   |
|-------------------------------|---------|---------|
| Foam Hand                     | FHL21   | FHL22   |
| Foam Hand with Extended Wires | FHEXL21 | FHEXL22 |

**Cosmetic Glove Ordering Information**

Replace # with the chosen TrueFinish™ or Standard colour EO-E18, see page 89 for swatches.

|                            | Left    | Right   |
|----------------------------|---------|---------|
| TrueFinish™ Silicone Glove | TSG3/E# | TSG4/E# |
| Standard Silicone Glove    | SG3/E#  | SG4/E#  |
| TrueFinish™ PVC Glove      | TG3/E#  | TG4/E#  |
| Standard PVC Glove         | CG3/E#  | CG4/E#  |

**Partial Hand Glove Ordering Information**

Replace # with the chosen TrueFinish™ or Standard colour EO-E18, see page 89 for swatches.

|                      | Left      | Right     |
|----------------------|-----------|-----------|
| TrueFinish™ Silicone | TSG3PH/E# | TSG4PH/E# |
| Standard Silicone    | SG3PH/E#  | SG4PH/E#  |
| TrueFinish™ PVC      | TG3PH/E#  | TG4PH/E#  |
| Standard PVC         | CG3PH/E#  | CG4PH/E#  |

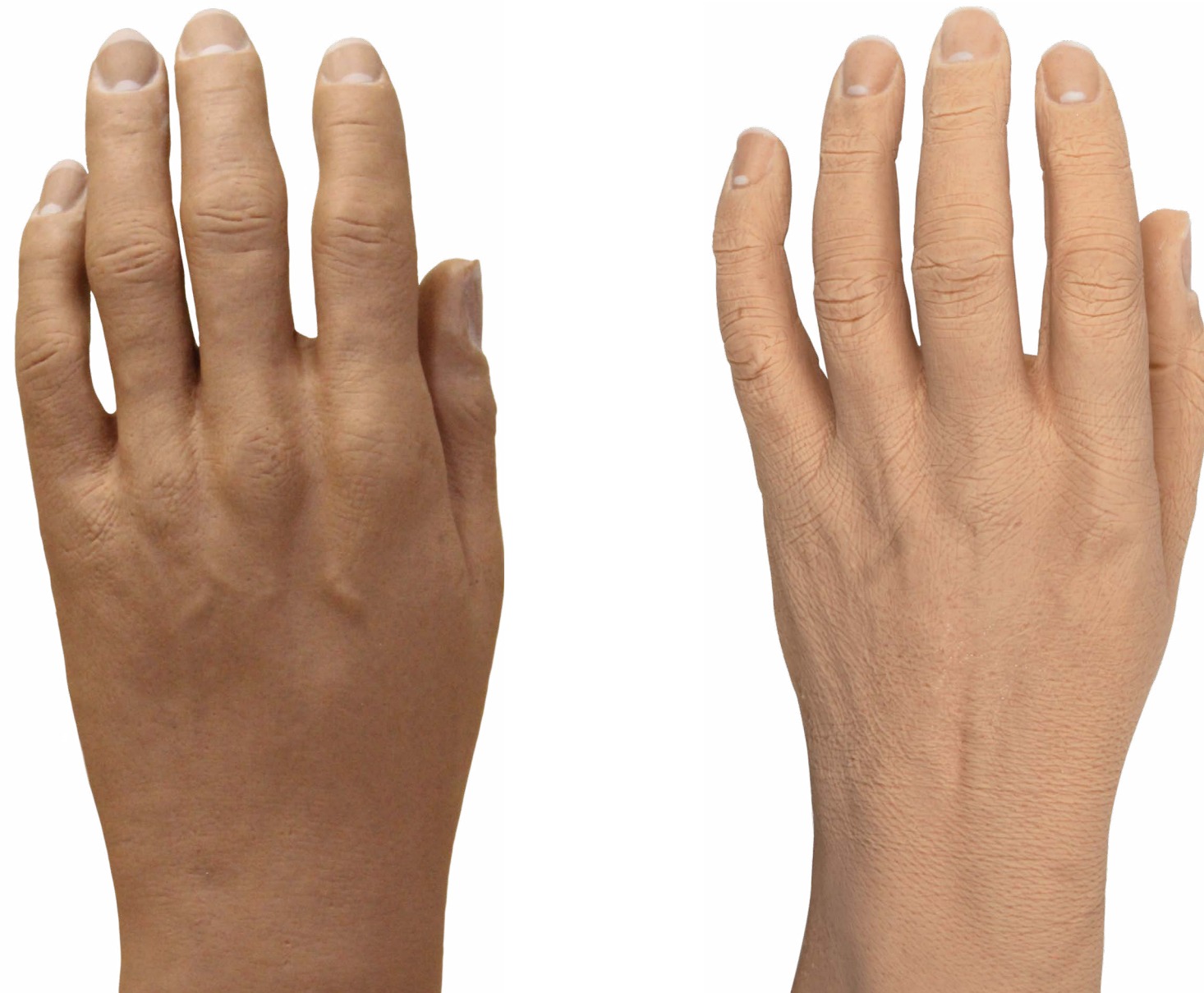
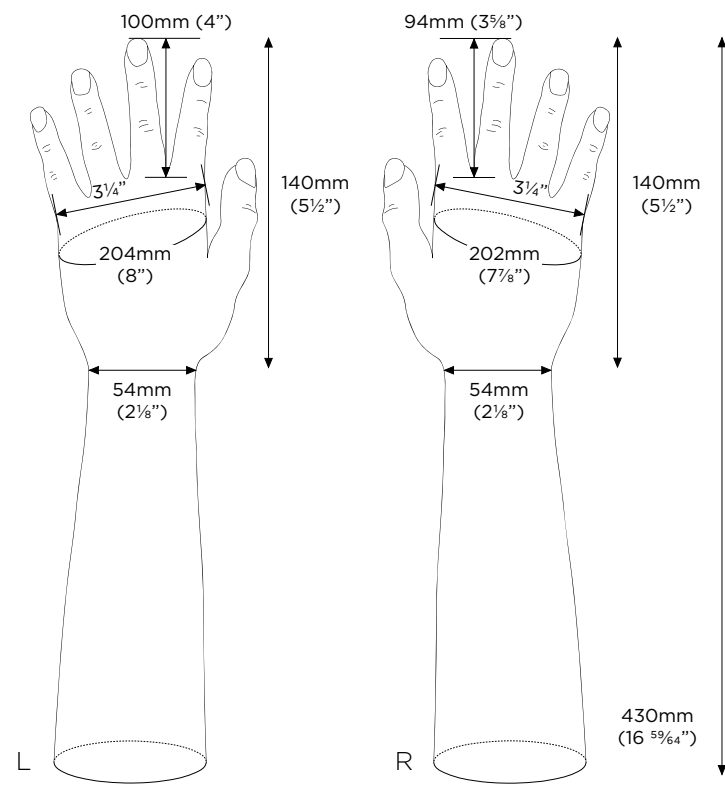
**Cosmetic Glove Ordering Information**

Replace # with the chosen TrueFinish™ or Standard colour EO-E18, see page 89 for swatches.

|                            | Left      | Right     |
|----------------------------|-----------|-----------|
| TrueFinish™ Silicone Glove | TSGL21/E# | TSGL22/E# |
| Standard Silicone Glove    | SGL21/E#  | SGL22/E#  |
| TrueFinish™ PVC Glove      | TGL21/E#  | TGL22/E#  |
| Standard PVC Glove         | CGL21/E#  | CGL22/E#  |



**Adult Glove | 21 & 22**  
**Male, Long Fingers, 3 1/4"**



**Cosmetic/Passive Hands Ordering Information**

|                               | Left   | Right  |
|-------------------------------|--------|--------|
| Foam Hand                     | B11057 | B11058 |
| Foam Hand with Extended Wires | B11089 | B11090 |

**Cosmetic Glove Ordering Information**

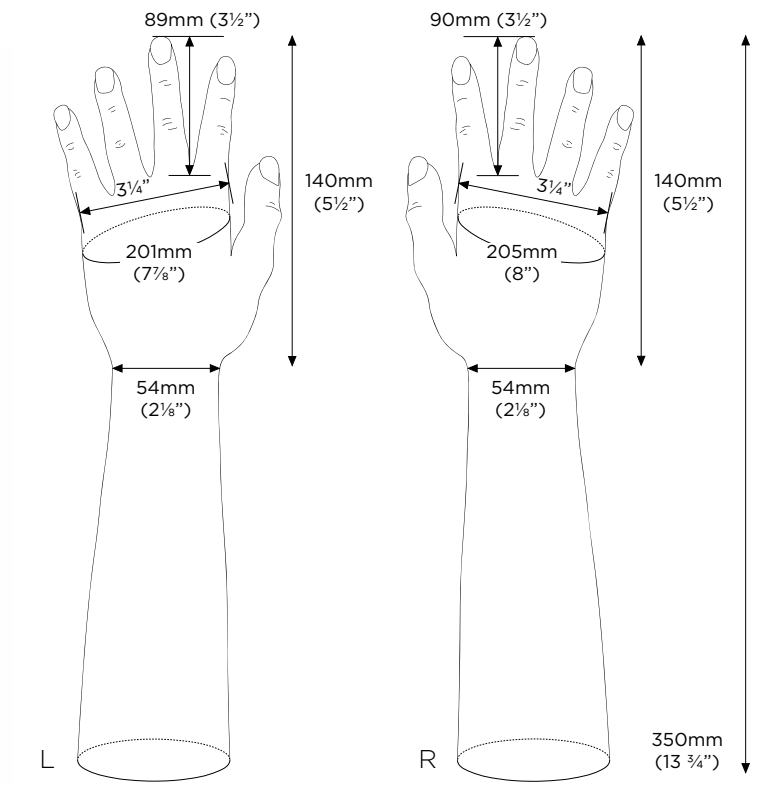
Replace # with the chosen TrueFinish™ or Standard colour EO-E18, see page 89 for swatches.

|                            | Left     | Right    |
|----------------------------|----------|----------|
| TrueFinish™ Silicone Glove | TSG21/E# | TSG22/E# |
| Standard Silicone Glove    | SG21/E#  | SG22/E#  |
| TrueFinish™ PVC Glove      | TG21/E#  | TG22/E#  |
| Standard PVC Glove         | CG21/E#  | CG22/E#  |

**Partial Hand Glove Ordering Information**

|                      | Left       | Right      |
|----------------------|------------|------------|
| TrueFinish™ Silicone | TSG21PH/E# | TSG22PH/E# |
| Standard Silicone    | SG21PH/E#  | SG22PH/E#  |
| TrueFinish™ PVC      | TG21PH/E#  | TG22PH/E#  |
| Standard PVC         | CG21PH/E#  | CG22PH/E#  |

**Adult High Definition Glove | 103 & 104**  
**Male, 3 1/4"**



**Cosmetic/Passive Hands Ordering Information**

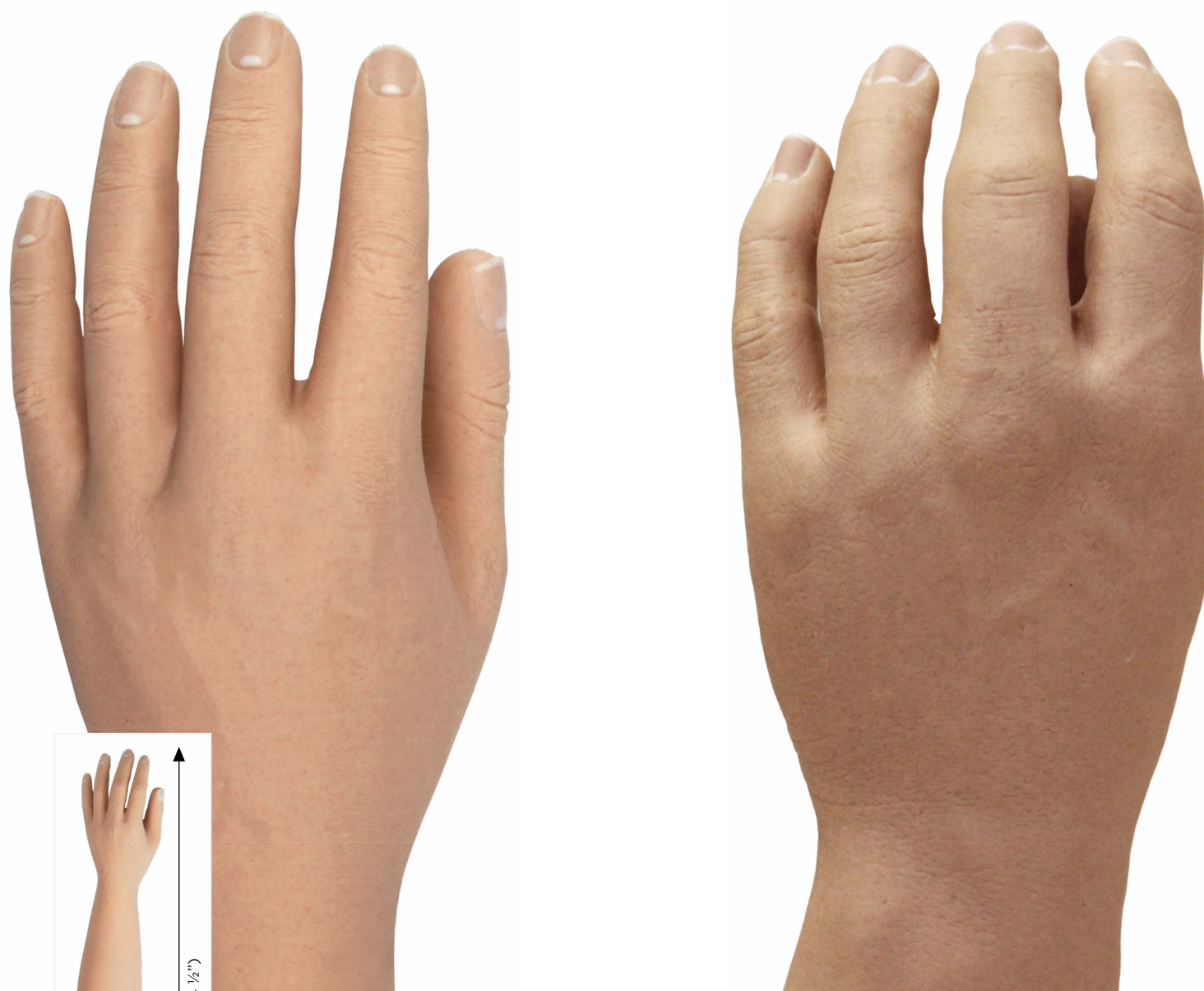
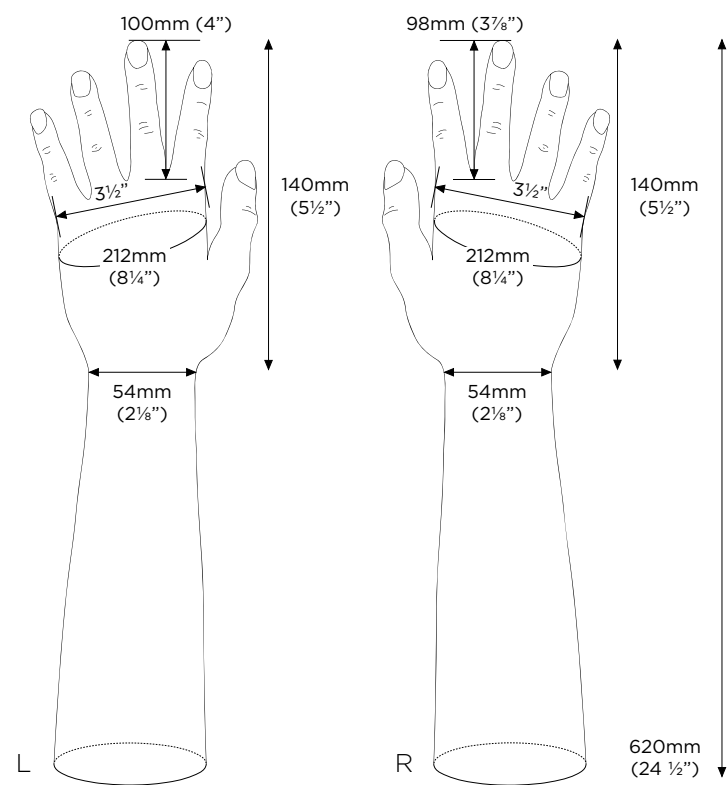
|                               | Left     | Right    |
|-------------------------------|----------|----------|
| Foam Hand                     | B11055   | B11056   |
| Foam Hand with Extended Wires | B11055EX | B11056EX |

**Cosmetic Glove Ordering Information**

Replace # with the chosen TrueFinish™ or Standard colour EO-E18, see page 89 for swatches.

|                            | Left      | Right     |
|----------------------------|-----------|-----------|
| TrueFinish™ Silicone Glove | TSG103/E# | TSG104/E# |
| Standard Silicone Glove    | SG103/E#  | SG104/E#  |
| TrueFinish™ PVC Glove      | TG103/E#  | TG104/E#  |
| Standard PVC Glove         | CG103/E#  | CG104/E#  |

**Adult Glove | L1 & L2**  
**Male, Long Mould, 3 1/2"**



**Cosmetic/Passive Hands Ordering Information**

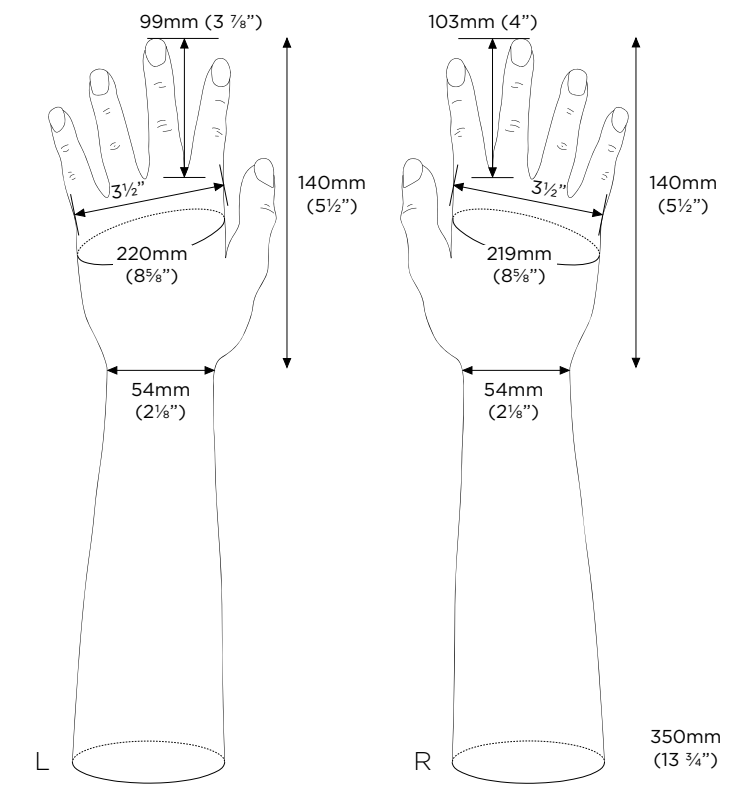
|                               | Left   | Right  |
|-------------------------------|--------|--------|
| Foam Hand                     | FHL1   | FHL2   |
| Foam Hand with Extended Wires | FHEXL1 | FHEXL2 |

**Cosmetic Glove Ordering Information**

Replace # with the chosen TrueFinish™ or Standard colour EO-E18, see page 89 for swatches.

|                            | Left     | Right    |
|----------------------------|----------|----------|
| TrueFinish™ Silicone Glove | TSGL1/E# | TSGL2/E# |
| Standard Silicone Glove    | SGL1/E#  | SGL2/E#  |
| TrueFinish™ PVC Glove      | TGL1/E#  | TGL2/E#  |
| Standard PVC Glove         | CGL1/E#  | CGL2/E#  |

**Adult Glove | 1 & 2**  
**Male, 3 1/2"**



**Cosmetic/Passive Hands Ordering Information**

|                               | Left   | Right  |
|-------------------------------|--------|--------|
| Foam Hand                     | B11053 | B11054 |
| Foam Hand with Extended Wires | B11083 | B11084 |

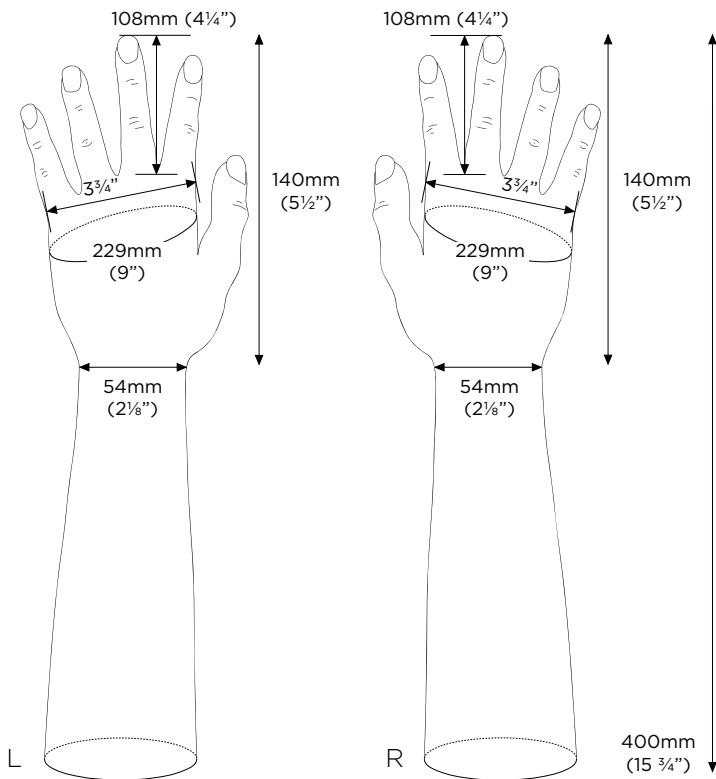
**Cosmetic Glove Ordering Information**

Replace # with the chosen TrueFinish™ or Standard colour EO-E18, see page 89 for swatches.

|                            | Left    | Right   |
|----------------------------|---------|---------|
| TrueFinish™ Silicone Glove | TSG1/E# | TSG2/E# |
| Standard Silicone Glove    | SG1/E#  | SG2/E#  |
| TrueFinish™ PVC Glove      | TG1/E#  | TG2/E#  |
| Standard PVC Glove         | CG1/E#  | CG2/E#  |



**Adult Glove | 200 & 201**  
**Male, 3¾"**



**Cosmetic/Passive Hands Ordering Information**

|                               | Left     | Right    |
|-------------------------------|----------|----------|
| Foam Hand                     | B21139   | B21140   |
| Foam Hand with Extended Wires | B21139EX | B21140EX |

**Cosmetic Glove Ordering Information**

Replace # with the chosen TrueFinish™ or Standard colour EO-E18, see page 89 for swatches.

|                            | Left      | Right     |
|----------------------------|-----------|-----------|
| TrueFinish™ Silicone Glove | TSG200/E# | TSG201/E# |
| Standard Silicone Glove    | SG200/E#  | SG201/E#  |
| TrueFinish™ PVC Glove      | TG200/E#  | TG201/E#  |
| Standard PVC Glove         | CG200/E#  | CG201/E#  |

**Cosmetic Glove Order Form**

| Cosmetic Gloves    |              |                   |                |                    |                      |               |
|--------------------|--------------|-------------------|----------------|--------------------|----------------------|---------------|
| CG / TG / SG / TSG | Glove Number | Colour (EO - E18) | Glove Quantity | Foam Hand Required | With Extended Wires? | Hand Quantity |
| e.g. TG            | L1           | E4                | 3              | YES                | NO                   | 1             |

| Two Tone (CG and TG only) |              |                          |                               |                |                    |               |
|---------------------------|--------------|--------------------------|-------------------------------|----------------|--------------------|---------------|
| TG/CG                     | Glove Number | Palmar Colour (EO - E18) | Dorsal Colour (E13, E16, E18) | Glove Quantity | Foam Hand Required | Hand Quantity |
| e.g. TG                   | L22          | E4                       | E16                           | 1              | NO                 | 0             |

**Zip Fitting \*PVC Gloves only**

Length Required from Top of Glove to Thumb Tip:

Position of Zip (please tick): Palmar  Dorsal   
 Zip Length (4-8 Inch): 4"  5"  6"  7"  8"

**Non-Standard Finishes (Please tick)**

Uncut   
 Unpainted Nails   
 Bilateral

**Please note:** This information must be provided at the point of order to ensure the correct finishes/non finishes are applied to the glove. For bi-lateral gloves the importance is to ensure unity in the shade chosen by ensuring gloves are manufactured from the same batch of PVC or Silicone.

**Customer Details**

Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Email: \_\_\_\_\_  
 P/O No.: \_\_\_\_\_

**Other Remarks/Requirements**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_





A range of full-length, long-mould PVC and silicone gloves designed for the rigours of functional activity. Designed to fit onto electric and mechanical hands, this range allows full hand function with excellent cosmetic properties.

The Elegance range has been reviewed and developed, to introduce the new Elegance Plus silicone gloves. They feature a reinforced inner mesh layer for improved tear resistance, a highly robust silicone construction, and a new easy-glide coating for ease of use when putting on clothes.

Suitable for all Steeper myoelectric, spring and cable operated hands and similar hands from other manufacturers.

- Upper Limb Prosthetics
- Ordering Information
- Myoelectric Hands
- Myoelectric Elbows
- Myoelectric Power & Inputs
- Cable Operated & Spring Hands
- Functional Devices
- Cosmetic Hands & Gloves**
- Modular Arm Systems
- Wrist Units
- Mech. Elbow Units & Joints
- Suspension & Control Systems
- Materials & Tools

- Upper Limb Prosthetics
- Ordering Information
- Myoelectric Hands
- Myoelectric Elbows
- Myoelectric Power & Inputs
- Cable Operated & Spring Hands
- Functional Devices
- Cosmetic Hands & Gloves**
- Modular Arm Systems
- Wrist Units
- Mech. Elbow Units & Joints
- Suspension & Control Systems
- Materials & Tools



## Elegance Plus Gloves

We have adapted and developed our Elegance silicone gloves, and are pleased to introduce the new Elegance Plus cosmetics to our cosmetic glove range. These enhanced gloves are designed to fit the Steeper Myo Kinisi myoelectric hand, Steeper cable operated hands, and functional hands from other manufacturers.

Crafted using multiple layers of advanced silicone material and constructed with an integrated, reinforced inner mesh layer, these gloves are highly tear-resistant. This silicone material allows for additional stretch in comparison to a PVC glove, and so reduces the energy expended by the myoelectric hand motor each time it opens - making this a highly robust cosmetics particularly suited to higher activity patients.

For training and more details on how to order visit [www.upskillbysteepers.com](http://www.upskillbysteepers.com)



### Features and Benefits

- New integrated, reinforced inner mesh layer provides increased resilience
- Enhanced cosmetic finish with additional detailing on the palms, knuckles, nails and joints
- Improved tear resistance and highly robust
- New easy-glide coating for ease of use when putting on clothes
- Compatible with Steeper and other manufacturers' myoelectric and mechanical hands
- Exclusively available in the advanced micropigmentation TrueFinish™ silicone for added realism and depth
- Increased longevity, making this range highly cost effective

### Elegance Plus Colour Options

\*Only available in TrueFinish

|    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |
|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| E0 | E1 | E2 | E3 | E4 | E5 | E6 | E7 | E8 | E9 | E10 | E11 | E12 | E13 | E14 | E15 | E16 | E17 | E18 |
|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|



## Elegance Plus Ordering Information

If a non-standard finish or bilateral glove is required, please state at the time of ordering.

**Note:** # Denotes colour.

| Glove Part Number | Left/Right | Glove Number | Palm Circumference | Length        |
|-------------------|------------|--------------|--------------------|---------------|
| TSG306/E#-EP      | Left       | 306          | 184mm (7 ¼")       | 645mm (25 ¾") |
| TSG307/E#-EP      | Right      | 307          | 184mm (7 ¼")       | 645mm (25 ¾") |
| TSG304/E#-EP      | Left       | 304          | 184mm (7 ¼")       | 645mm (25 ¾") |
| TSG305/E#-EP      | Right      | 305          | 184mm (7 ¼")       | 645mm (25 ¾") |
| TSG312/E#-EP      | Left       | 312          | 197mm (7 ¾")       | 620mm (24 ½") |
| TSG313/E#-EP      | Right      | 313          | 197mm (7 ¾")       | 620mm (24 ½") |
| TSG302/E#-EP      | Left       | 302          | 197mm (7 ¾")       | 645mm (25 ¾") |
| TSG303/E#-EP      | Right      | 303          | 197mm (7 ¾")       | 645mm (25 ¾") |
| TSG300/E#-EP      | Left       | 300          | 210mm (8 ¼")       | 645mm (25 ¾") |
| TSG301/E#-EP      | Right      | 301          | 210mm (8 ¼")       | 645mm (25 ¾") |

Swatches are available free of charge

### Ordering Examples

- TSG300/E13-EP - Orders an 8 ¼ Left Silicone Elegance Plus Glove in TrueFinish™ colour E13
- TSG305/E7-EP - Orders and 7¼ Right Silicone Elegance Plus Glove in TrueFinish™ colour E7

## Elegance Gloves

A range of full-length, long-mould PVC and silicone gloves designed for the rigours of functional activity.

Recommended for all Steeper myoelectric, spring and cable operated hands and similar hands from other manufacturers.



### Features and Benefits

- Designed to fit onto electric and mechanical hands
- Allows full hand function with excellent cosmetic properties
- 19 colour shade options
- Standard or TrueFinish™ micropigmentation
- PVC Elegance Gloves offer a tough and cost effective cosmesis
- Elegance Silicone Gloves offer additional stretch and ease of cleaning

### Elegance Colour Options

|    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |
|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| E0 | E1 | E2 | E3 | E4 | E5 | E6 | E7 | E8 | E9 | E10 | E11 | E12 | E13 | E14 | E15 | E16 | E17 | E18 |
|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

A solid black glove is available using code E20, this is supplied without painted nails.

### Elegance Gloves Ordering Information

- PVC and silicone gloves can be requested with the following non-standard finishes: uncut, unpainted nails
- If a non-standard finish or bilateral glove is required, please tick the relevant box on the order form on page 111.

**Note:** # Denotes colour.

| Elegance Cosmetic Glove - Silicone |               |              |                   |          |              |
|------------------------------------|---------------|--------------|-------------------|----------|--------------|
| Standard Colours                   |               |              |                   |          |              |
| Palm Circumference                 | Approx Length | Application  | Glove Part Number |          | Colour Range |
|                                    |               |              | Left              | Right    |              |
| 171mm (6 ¾")                       | 460mm (18 ⅝") | Youth        | SG310/E#          | SG311/E# | E0 - E18     |
| 176mm (7")                         | 520mm (20 ½") | Female/Youth | SG308/E#          | SG308/E# | E0 - E18     |
| 184mm (7 ¼")                       | 645mm (25 ⅜") | Youth        | SG306/E#          | SG307/E# | E0 - E18     |
| 184mm (7 ¼")                       | 645mm (25 ⅜") | Female       | SG304/E#          | SG305/E# | E0 - E18     |
| 197mm (7 ¾")                       | 620mm (24 ½") | Female       | SG312/E#          | SG313/E# | E0 - E18     |
| 197mm (7 ¾")                       | 645mm (25 ⅜") | Male         | SG302/E#          | SG303/E# | E0 - E18     |
| 210mm (8 ¼")                       | 645mm (25 ⅜") | Male         | SG300/E#          | SG301/E# | E0 - E18     |

| Elegance Cosmetic Glove - Silicone |               |              |                   |        |              |
|------------------------------------|---------------|--------------|-------------------|--------|--------------|
| TrueFinish™ Colours                |               |              |                   |        |              |
| Palm Circumference                 | Approx Length | Application  | Glove Part Number |        | Colour Range |
|                                    |               |              | Left              | Right  |              |
| 171mm (6 ¾")                       | 460mm (18 ⅝") | Youth        | TSG310            | TSG311 | E0 to E18    |
| 176mm (7")                         | 520mm (20 ½") | Female/Youth | TSG308            | TSG309 | E0 to E18    |
| 184mm (7 ¼")                       | 645mm (25 ⅜") | Youth        | TSG306            | TSG307 | E0 to E18    |
| 184mm (7 ¼")                       | 645mm (25 ⅜") | Female       | TSG304            | TSG305 | E0 to E18    |
| 197mm (7 ¾")                       | 620mm (24 ½") | Female       | TSG312            | TSG313 | E0 to E18    |
| 197mm (7 ¾")                       | 645mm (25 ⅜") | Male         | TSG302            | TSG303 | E0 to E18    |
| 210mm (8 ¼")                       | 645mm (25 ⅜") | Male         | TSG300            | TSG301 | E0 to E18    |

### Elegance PVC Gloves Ordering Information

| Elegance Cosmetic Glove - PVC |               |              |                   |       |              |
|-------------------------------|---------------|--------------|-------------------|-------|--------------|
| Standard Colours              |               |              |                   |       |              |
| Palm Circumference            | Approx Length | Application  | Glove Part Number |       | Colour Range |
|                               |               |              | Left              | Right |              |
| 171mm (6 ¾")                  | 460mm (18 ⅝") | Youth        | CG310             | CG311 | E0 to E18    |
| 176mm (7")                    | 520mm (20 ½") | Female/Youth | CG308             | CG309 | E0 to E18    |
| 184mm (7 ¼")                  | 645mm (25 ⅜") | Youth        | CG306             | CG307 | E0 to E18    |
| 184mm (7 ¼")                  | 645mm (25 ⅜") | Female       | CG304             | CG305 | E0 to E18    |
| 197mm (7 ¾")                  | 620mm (24 ½") | Female       | CG312             | CG313 | E0 to E18    |
| 197mm (7 ¾")                  | 645mm (25 ⅜") | Male         | CG302             | CG303 | E0 to E18    |
| 210mm (8 ¼")                  | 645mm (25 ⅜") | Male         | CG300             | CG301 | E0 to E18    |

| Elegance Cosmetic Glove - PVC |               |              |                   |       |              |
|-------------------------------|---------------|--------------|-------------------|-------|--------------|
| TrueFinish™ Colours           |               |              |                   |       |              |
| Palm Circumference            | Approx Length | Application  | Glove Part Number |       | Colour Range |
|                               |               |              | Left              | Right |              |
| 171mm (6 ¾")                  | 460mm (18 ⅝") | Youth        | TG310             | TG311 | E0 to E18    |
| 176mm (7")                    | 520mm (20 ½") | Female/Youth | TG308             | TG309 | E0 to E18    |
| 184mm (7 ¼")                  | 645mm (25 ⅜") | Youth        | TG306             | TG307 | E0 to E18    |
| 184mm (7 ¼")                  | 645mm (25 ⅜") | Female       | TG304             | TG305 | E0 to E18    |
| 197mm (7 ¾")                  | 620mm (24 ½") | Female       | TG312             | TG313 | E0 to E18    |
| 197mm (7 ¾")                  | 645mm (25 ⅜") | Male         | TG302             | TG303 | E0 to E18    |
| 210mm (8 ¼")                  | 645mm (25 ⅜") | Male         | TG300             | TG301 | E0 to E18    |





An infant's first cosmetic prosthesis can be fitted from as early as two to six months of age.

This lightweight solution of a foam-filled, PVC cosmetic glove can assist child development by aiding sitting, balance, crawling and play activities.

- Upper Limb Prosthetics
- Ordering Information
- Myoelectric Hands
- Myoelectric Elbows
- Myoelectric Power & Inputs
- Cable Operated & Spring Hands
- Functional Devices
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- Modular Arm Systems
- Wrist Units
- Mech. Elbow Units & Joints
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Infant Foam Filled Gloves Ordering Information

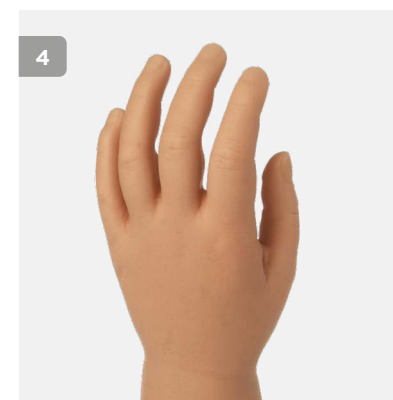
- Available in Standard PVC only
- 19 colours available - colour swatch E24654 applies
- The below sizes are only available as Foam Filled Gloves
- See manufacturing guide for Infant Foam Filled Gloves overleaf

**Note:** # Denotes colour.

Infant Foam Filled Gloves Colour Options

|    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |
|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| E0 | E1 | E2 | E3 | E4 | E5 | E6 | E7 | E8 | E9 | E10 | E11 | E12 | E13 | E14 | E15 | E16 | E17 | E18 |
|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|


|   | Part no. | Width Across Knuckles | Palm Circumference | Middle Finger Length | Length of Foam Fill (thumb tip to base of glove) | Left/ Right |
|---|----------|-----------------------|--------------------|----------------------|--|-------------|
| 1 | AH45/60# | 38mm (1 1/2")         | 95mm (1 1/2")      | 45mm (1 3/4")        | 152mm (6")                                       | Left        |
|   | AH45/61# | 38mm (1 1/2")         | 95mm (3 3/4")      | 45mm (1 3/4")        | 152mm (6")                                       | Right       |
| 2 | AH45/25# | 41mm (1 5/8")         | 99mm (3 7/8")      | 48mm (1 7/8")        | 178mm (7")                                       | Left        |
|   | AH45/26# | 41mm (1 5/8")         | 99mm (3 7/8")      | 48mm (1 7/8")        | 178mm (7")                                       | Right       |
| 3 | AH45/64# | 41mm (1 5/8")         | 105mm (4 1/8")     | 35mm (1 3/8")        | 178mm (7")                                       | Left        |
|   | AH45/65# | 41mm (1 5/8")         | 105mm (4 1/8")     | 35mm (1 3/8")        | 178mm (7")                                       | Right       |
| 4 | AH45/13# | 45mm (1 3/4")         | 105mm (4 1/8")     | 49mm (2")            | 203mm (8")                                       | Left        |
|   | AH45/14# | 45mm (1 3/4")         | 105mm (4 1/8")     | 49mm (2")            | 203mm (8")                                       | Right       |
| 5 | AH45/62# | 45mm (1 3/4")         | 111mm (4 3/8")     | 45mm (1 3/4")        | 203mm (8")                                       | Left        |
|   | AH45/63# | 45mm (1 3/4")         | 111mm (4 3/8")     | 45mm (1 3/4")        | 203mm (8")                                       | Right       |
| 6 | AH45/27# | 48mm (1 7/8")         | 118mm (4 5/8")     | 54mm (2 1/8")        | 203mm (8")                                       | Left        |
|   | AH45/28# | 48mm (1 7/8")         | 118mm (4 5/8")     | 54mm (2 1/8")        | 203mm (8")                                       | Right       |
| 7 | AH45/19# | 49mm (2")             | 124mm (4 7/8")     | 57mm (2 1/4")        | 210mm (8 1/4")                                   | Left        |
|   | AH45/20# | 49mm (2")             | 124mm (4 7/8")     | 57mm (2 1/4")        | 210mm (8 1/4")                                   | Right       |





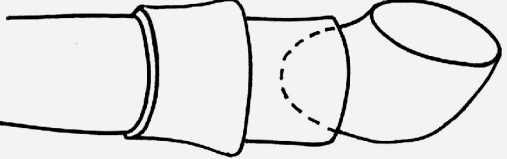
**Infant Foam Filled Gloves: Manufacturing Guide**

**Fig. 1**



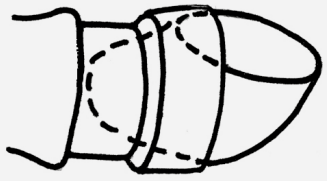
Ascertain desired overall length.

**Fig. 2**




Peel back glove.

**Fig. 3**




Shorten and hollow foam so socket is seated within at desired length. Glue socket in position. Allow for correct hand-socket orientation.

**Fig. 4**



Smooth foam socket transition.

**Fig. 5**



Roll glove back up and trim as required.

**Enhanced Steeplon Hand**

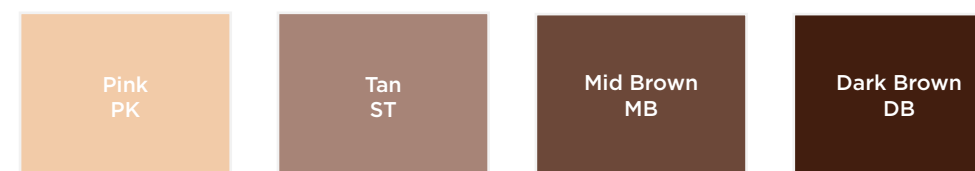


- Strong and robust in construction with four rigid fingers and a spring loaded thumb for manual operation providing a lateral grip
- # Denotes finish colour. Add PK for Pale/Pink, ST for Tan, MB for Mid Brown or DB for Dark Brown (see colour chart below)

**Note:** Supplied with handplate B01172 (p.137). Other handplates available on request.

| Part Number | Size | UK Size            | Left/Right | Application | Wrist       |
|-------------|------|--------------------|------------|-------------|-------------|
| C22047#     | 7 ¼  | 2 ¾" x 5 ½" x 2 ⅛" | Left       | Adult       | 54mm (2 ⅛") |
| C22048#     | 7 ¼  | 2 ¾" x 5 ½" x 2 ⅛" | Right      | Adult       | 54mm (2 ⅛") |
| C22049#     | 7 ½  | 3" x 5 ½" x 2 ⅛"   | Left       | Adult       | 54mm (2 ⅛") |
| C22050#     | 7 ½  | 3" x 5 ½" x 2 ⅛"   | Right      | Adult       | 54mm (2 ⅛") |
| C22051#     | 7 ¾  | 3 ¼" x 5 ½" x 2 ⅛" | Left       | Adult       | 54mm (2 ⅛") |
| C22052#     | 7 ¾  | 3 ¼" x 5 ½" x 2 ⅛" | Right      | Adult       | 54mm (2 ⅛") |

Colours for Steeplon Hand (for indication only):



**Fitting Screw**

Replacement handplate fitting screw for the Steeplon Hand.

| Part Number | Supplied |
|-------------|----------|
| NSC6011     | Each     |



**Leather Gloves**

| Part Number  | UK Glove Size | Fits Hand Sizes | Colour | Supplied |
|--------------|---------------|-----------------|--------|----------|
| N5-1700-BRS  | 8 (3 ½") - S  | 7 ¼" - 8"       | Brown  | Pair     |
| N5-1700-BRM  | 9 (4 ½") - M  | 8 ¼" - 9"       | Brown  | Pair     |
| N5-1700-BRL  | 10 (5 ½") - L | 9 ½" - 10"      | Brown  | Pair     |
| N5-1700-BRXL | 11 - XL       | 10 ½" and up    | Brown  | Pair     |

**Note:** A bespoke glove service is available for partial hand patients.





### High-definition Custom Silicone

Our high-definition silicone covers are a premium cosmeses, hand-sculpted by our expert technicians at the Steeper Silicone Clinic. Designed to offer a superior, life-like finish, these cosmeses are blended and defined to match the user's sound limb.

#### Colour Matching

The colour matching process involves our unique Spectromatch device, as opposed to traditional swatches. Our Spectromatch system contains 22,000 colours which combine to match any individual skin tone.

#### Unique Fabrication

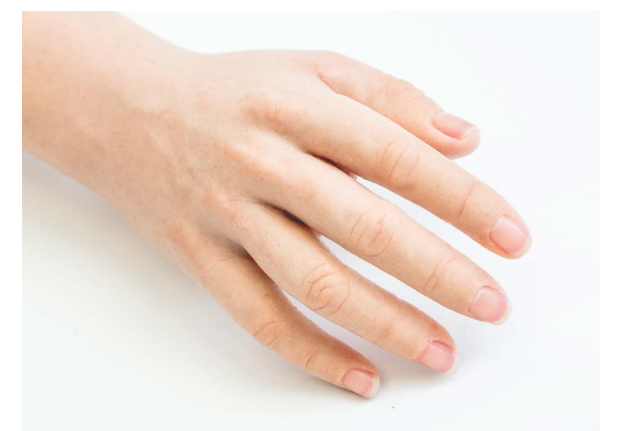
To ensure a hyper-realistic finish, our unique fabrication technique involves colouring the silicone prior to sculpting, as opposed to traditional surface painting. This process allows the silicone to give a translucent finish similar to human skin, to provide exceptional definition, detail, and an even more precise colour match.

#### Bespoke Service

We can create individual digits, partial hands, partial feet, upper and lower limb covers, along with cosmetic restorations for burns and tissue loss.

Each silicone prosthesis is tailored to the user's exact requirements, sculpted according to prescription detail, specific requests, and photos of the sound limb. Elements such as tattoos, painted nails, veins and surface hair can all be incorporated to match patient expectations.

The Steeper Custom Silicone range is available in specific regions, for more information on how to order, please contact Customer Services, or refer to our Custom Silicone brochure.



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A truly modular system with multiple interchange options, allows for rapid assembly and provides a light and easily adjustable alternative for transradial through to fourquarter levels. Finished in soft foam, our modular arm system gives a “soft feel” when compared to exoskeletal systems and may be shaped for an improved cosmetic result.

For transhumeral and higher levels, the upper and lower forearm are connected through an elbow joint that may be manually locked in any one of four positions. The elbow joint is also suited to long transhumeral residual limbs due to its reduced build height option.

A limb build guide for Modular Arm System Components is available on pages 14-15.

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### Shoulder Unit

Shoulder unit with two independent friction controls for flexion/extension and abduction/adduction. Limit stop on flexion stop/extension range.

| Part Number | Description   | Weight        |
|-------------|---------------|---------------|
| C22751      | Shoulder Unit | 156g (5 ½ oz) |



### Elbow Unit

Hand operated elbow unit, with four lock positions and tubular aluminium construction. Features a forearm mounted push button lock mechanism.

Minimum Proximal Build Height using Friction Housing: 45mm.  
 Minimum Forearm Length using Friction Wrist or Oval Adapter: 135mm.  
 Minimum Forearm Length using Female Adapters: 140mm.

| Part Number | Description                                  | Weight        |
|-------------|--|---------------|
| C22750      | Elbow Unit - Proximal Thread ½" UNF X 20 TPI | 214g (7 ½ oz) |



### Connection Tube

Aluminium connection tube.

| Part Number | Length     | Weight       | Inner Diameter | Outer Diameter |
|-------------|------------|--------------|----------------|----------------|
| B22753      | 230mm (9") | 39g (1 ⅜ oz) | 12.7mm (½")    | 15.6mm (⅝")    |



### Friction Housing

Adjustable collar applies constant friction to thread for connection directly to the elbow unit using a variety of system components shown on the opposite page. Also for use as a socket adapter in the Endo System.

| Part Number | Diameter    | Internal Thread | Weight     | Height    |
|-------------|-------------|-----------------|------------|-----------|
| NHD55108    | 40mm (1 ½") | ½" UNF x 20 TPI | 16g (½ oz) | 16mm (⅝") |
| NHD55109    | 45mm (1 ¾") | ½" UNF x 20 TPI | 23g (1 oz) | 16mm (⅝") |
| NHD55110    | 50mm (2")   | ½" UNF x 20 TPI | 30g (1 oz) | 16mm (⅝") |



### Socket Interface

Fixed lamination adapter for direct attachment to Connection Tube (B22753). Supplied with a Split Pin (NPN0009).

| Part Number | Weight    | Height      |
|-------------|-----------|-------------|
| B06576      | 29g (1oz) | 40mm (1 ½") |

### System Adapters



| Part Number | Description  | Thread                                      | Weight     | Height        |
|-------------|--|---|------------|---------------|
| 1 B22513    | Female Tube Adapter - To be used as wrist option on C22750, or link proximal C22750 with Connector Tube B22753                             | Internal Thread ½" UNF x 20 TPI             | 33g (1oz)  | 50mm (2")     |
| B23370      | Female Tube Adapter - To be used as wrist option on C22750   | Internal M12 Thread x 1.5mm                 | 33g (1oz)  | 50mm (2")     |
| 2 B22760    | Universal Wrist Adapter - To be used as wrist option on C22750. Allows constant friction control over wrist flexion extension and rotation | Internal Thread ½" UNF x 20 TPI             | 34g (1oz)  | 27.5mm (1 ⅙") |
| 3 B22518    | Male Tube Adapter - Allows connection between Connection Tube B22753 and Friction Housing NHD55108 - NHD55110                              | Internal Thread ½" UNF x 20 TPI             | 12g (½ oz) | 41mm (1 ⅝")   |
| 4 B22766    | Female Tube Adapter - To be used as wrist option on C22750, links to hands with female M12 thread  | External M12 Thread x 1.5mm                 | 20g (½ oz) | 22mm (⅞")     |
| 5 B22762    | Extension Female Adapter - Allows an existing system to be lengthened  | ½" UNF x 20 TPI External to Internal thread | 37g (1oz)  | 27mm (1 ⅙")   |





### Friction Wrist Adapter

For use with 50mm (2") or 54mm (2 1/8") Friction Wrist and Connection Plates, see pages 141 - 143 for more details. Supplied with Split Pin NPN009.

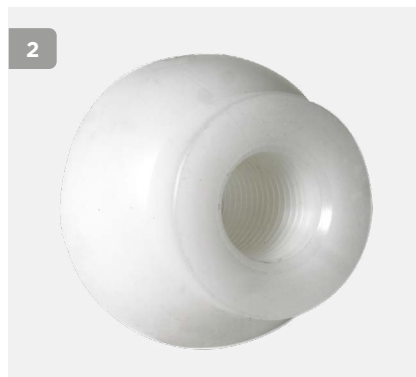
| Part Number | Description                             | Weight         | Height        |
|-------------|---|----------------|---------------|
| B17951      | Multi-Axial Wrist Housing 50mm (2")     | 41g (1 1/2 oz) | 32mm (1 1/4") |
| B17950      | Multi-Axial Wrist Housing 54mm (2 1/8") | 37g (1 1/2 oz) | 32mm (1 1/4") |



### Multi-Axial Wrist Housing

Multi-Axial Wrist Housing for attachment to a 54mm Hand Connection Plate. Ball Insert supplied separately (see below).

| Part Number | Description                             | Weight         | Height    |
|-------------|---|----------------|-----------|
| B22505      | Multi-Axial Wrist Housing 54mm (2 1/8") | 51g (1 1/2 oz) | 25mm (1") |



### Flexion Ball Inserts

| Part Number | Description | Thread  | Weight                            | Height       |           |
|-------------|-------------|---|-----------------------------------|--------------|-----------|
| 1           | B22763      | Free Flexion Ball Insert - Allows rotation, flexion and extension | Internal Thread 1/2" UNF x 20 TPI | 18g (1/2 oz) | 24mm (1") |
|             | B22503      | Free Flexion Ball Insert - Allows rotation, flexion and extension | Internal Thread 3/8" BSW          | 20g (1/2 oz) | 24mm (1") |
| 2           | B22764      | Locked Flexion Ball Insert - Allows rotation only                 | Internal Thread 1/2" UNF x 20 TPI | 20g (1/2 oz) | 27mm (1") |
|             | B22765      | Locked Flexion Ball Insert - Allows rotation only                 | Internal Thread 3/8" BSW          | 21g (1/2 oz) | 26mm (1") |

### Hand Connection Plates



| Part Number | Wrist Size | External Thread   | Shape         | Weight                            | Height       |             |
|-------------|------------|---|---------------|-----------------------------------|--------------|-------------|
| 8           | B10530     | 40mm (1 1/2")   | 1/2" x 20 TPI | Round - Steeper Hand Attachment   | 10g (1/2 oz) | 25mm (1")   |
|             | B22758     | 40mm (1 1/2")   | 1/2" x 20 TPI | Round - Ottobock Hand Attachment* | 14g (1/2 oz) | 25mm (1")   |
|             | B22757     | 45mm (1 3/4")   | 1/2" x 20 TPI | Round - Steeper Hand Attachment*  | 13g (1/2 oz) | 25mm (1")   |
|             | B22756     | 50mm (2")   | 1/2" x 20 TPI | Round - Steeper Hand Attachment*  | 15g (1/2 oz) | 25mm (1")   |
|             | B22755     | 54mm (2 1/8")   | 1/2" x 20 TPI | Round - Steeper Hand Attachment*  | 18g (1/2 oz) | 25mm (1")   |
| 9           | B06257     | 45mm (1 3/4") Oval  | 1/2" x 20 TPI | Oval Wrist Passive Hand           | 10g (1/2 oz) | 20mm (3/4") |
| 10          | B06856     | Oval Wrist No Rotation - Supplied with NPN0009, for use with passive hands with oval wrist option |               |                                   | 15g (1/2 oz) | 20mm (3/4") |

\* Also compatible with Ottobock fastening arrangements



### Threaded Insert

| Part Number | Description                                |
|-------------|--|
| B26431      | Threaded Stem. M12 x 1.5mm - 1/2" x 20 TPI |
| B26430      | Threaded Stem. M12 x 1.5mm - M12 x 1.5mm   |



### Inner Foam Cosmesis

| Part Number | Description   | Weight          |
|-------------|---|-----------------|
| C11151      | Inner Foam Cosmesis - Transhumeral                                | 90g (3 3/16 oz) |
| C11152      | Inner Foam Cosmesis - Transradial<br>* lowermost section of image | 32g (1 1/8 oz)  |



**Outer Fabric Cosmesis**

| Part Number | Description       | Colour    | Length     |
|-------------|-------------------|-----------|------------|
| NOB0002     | Stockinette Cover | Pale Pink | 1m lengths |



**Thread Conversion Adapter**

| Part Number | Description  | Supplied |
|-------------|--|----------|
| B06005      | Conversion Sleeve - External Thread 1/2" UNF x 20 TPI, Internal Thread 3/8" BSW To convert UK External Thread to US External Thread        | Each     |
| B21871      | Conversion Sleeve - External Thread M12 x 1.5mm, Internal Thread 3/8" BSW. To convert UK External Thread to European External Thread       | Each     |
| B23372      | Conversion Sleeve - External Thread 1/2" UNF x 20 TPI, Internal Thread 5/16" BSF To convert Child UK External Thread to US External Thread | Each     |



**Flexion Bar**

Connects with the red bar on C22750 for body powered control over flexion and extension.

| Part Number | Description                                |
|-------------|--|
| B22843      | Flexion Bar links to C22750 (Metric)       |
| NSC0027     | Screw for Flexion Bar - M5 x 12mm (Metric) |



**Elbow Guard**

To protect clothing from becoming trapped. For use with C22750.

| Part Number | Description |
|-------------|-------------|
| B05036      | Elbow Guard |



**Finishing Touches**

**Steeper Hand Finishing**

Used to improve realism, hand finishing takes place across the Steeper cosmesis range, from adding intricate details such as nail finishes to PVC and Silicone gloves or additional enhancement to the Elegance Plus range.

Our hand finishing details ensure the Steeper cosmesis range is enjoyed by patients around the world.





We offer a large range of wrist units, in child and adult sizes, offering different functions to suit each individual user.

Where regular interchange of a terminal device or a lock is required, the Heavy Duty Wrist or Child 2-Knob Wrist provides a reliable and durable choice.

The Friction Wrist allows user-adjustable friction control and rotation in a lightweight design, while the Fixed, Oval and Round Connectors provide a simple and effective solution for cosmetic limbs.

A comprehensive range of hand plates and adapter plates is available to satisfy all our products, as well as selected terminal devices from other manufacturers.

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- Wrist Units
- Mech. Elbow Units & Joints
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**Heavy Duty Wrist Unit**

The Heavy Duty Wrist is an easy to maintain unit which provides quick and easy interchanging of the terminal device. It has 12 lockable positions of rotation giving the user improved control and dexterity to complete functional tasks. Available in 2 sizes. When used with one of a variety of hand/adaptor plates, this wrist allows rotation to be free or controlled.

| Part Number | Size        | Description                               | Weight       | Height    |
|-------------|-------------|---|--------------|-----------|
| SP249       | 50mm (2")   | Quick release, lock, 12 position rotation | 69g (2 ½ oz) | 27mm (1") |
| B01155      | 54mm (2 ½") | Quick release, lock, 12 position rotation | 69g (2 ½ oz) | 27mm (1") |



**Wrist Housing - Parallel**

The Heavy Duty Wrist Housing is used to secure the Heavy Duty Wrist within the forearm. These housings are available in a range of sizes to suit the desired wrist dimensions and forearm profile.

| Part Number | Size        | Description                   | Weight     | Height    |
|-------------|-------------|-------------------------------|------------|-----------|
| B00573      | 50mm (2")   | Parallel, bonded into forearm | 14g (½ oz) | 25mm (1") |
| B00572      | 54mm (2 ½") | Parallel, bonded into forearm | 20g (¾oz)  | 25mm (1") |



**Wrist Housing - Tapered**

The Heavy Duty Wrist Housing is used to secure the Heavy Duty Wrist within the forearm. These housings are available in a range of sizes to suit the desired wrist dimensions and forearm profile.

| Part Number | Size        | Description                      | Weight     | Height      |
|-------------|-------------|----------------------------------|------------|-------------|
| B00825      | 50mm (2")   | 3° taper, laminated into forearm | 21g (1 oz) | 38mm (1 ½") |
| B00827      | 54mm (2 ½") | 3° taper, laminated into forearm | 28g (1 oz) | 38mm (1 ½") |
| B00826      | 54mm (2 ½") | 6° taper, laminated into forearm | 28g (1 oz) | 38mm (1 ½") |



**Hand Connection Plate**

For Heavy Duty Wrist; a plain base connection plate for cosmetic and mechanical hands.

**Note:** Both B01172 and B01179 are also compatible with the Ottobock fastening arrangement.

| Part Number | Size                  | Description                    | Weight       | Height      |
|-------------|-----------------------|--------------------------------|--------------|-------------|
| B01179      | 50mm (2" x ¾" x ½")   | 2" Heavy Duty Wrist            | 50g (1 ¾ oz) | 31mm (1 ¼") |
| B01172      | 54mm (2 ½" x ¾" x ½") | 2 ½" and 2 ½" Heavy Duty Wrist | 56g (2 oz)   | 31mm (1 ¼") |



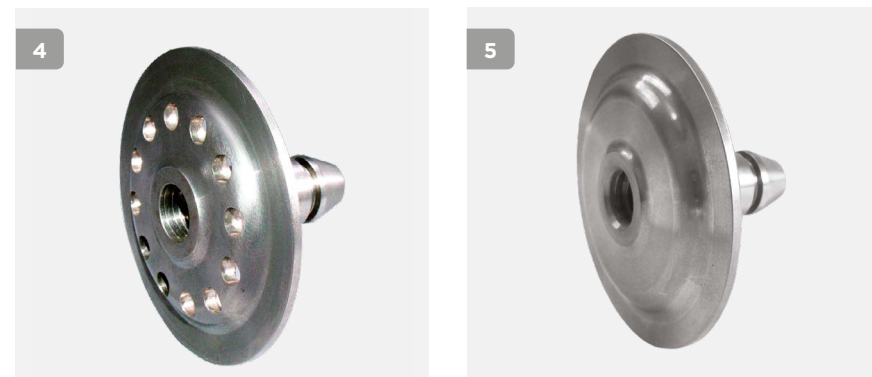
## Wrist Units - Heavy Duty Wrist

### Adapter Plates - Flat

Flat adapter plate compatible with a variety of Heavy Duty Wrist sizes.



| Part Number | Size   | Description                    | Compatible With                   | Weight                                    | Height            |                  |
|-------------|--------|--------------------------------|-----------------------------------|---|-------------------|------------------|
| 1           | B00967 | 50mm<br>(2" x 3/4" x 1/2")     | 3/8" BSW (UK Thread Internal)     | 50mm (2") Heavy Duty Wrist                | 42g<br>(1 1/2 oz) | 34mm<br>(1 3/8") |
|             | B00900 | 54mm<br>(2 1/8" x 3/4" x 1/2") | 3/8" BSW (UK Thread Internal)     | 54mm (2 1/8") Heavy Duty Wrist            | 46g<br>(1 5/8 oz) | 34mm<br>(1 3/8") |
| 2           | B06568 | 50mm<br>(2" x 3/4" x 1/2")     | 1/2" x 20TPI (US Thread Internal) | 50mm (2"), 54mm (2 1/8") Heavy Duty Wrist | 52g<br>(1 3/4 oz) | 49mm<br>(2")     |
| 3           | B22264 | 54mm<br>(2 1/8" x 3/4" x 1/2") | M12 (European Thread Internal)    | 54mm (2 1/8") Heavy Duty Wrist            | 60g<br>(2 oz)     | 53mm<br>(2")     |



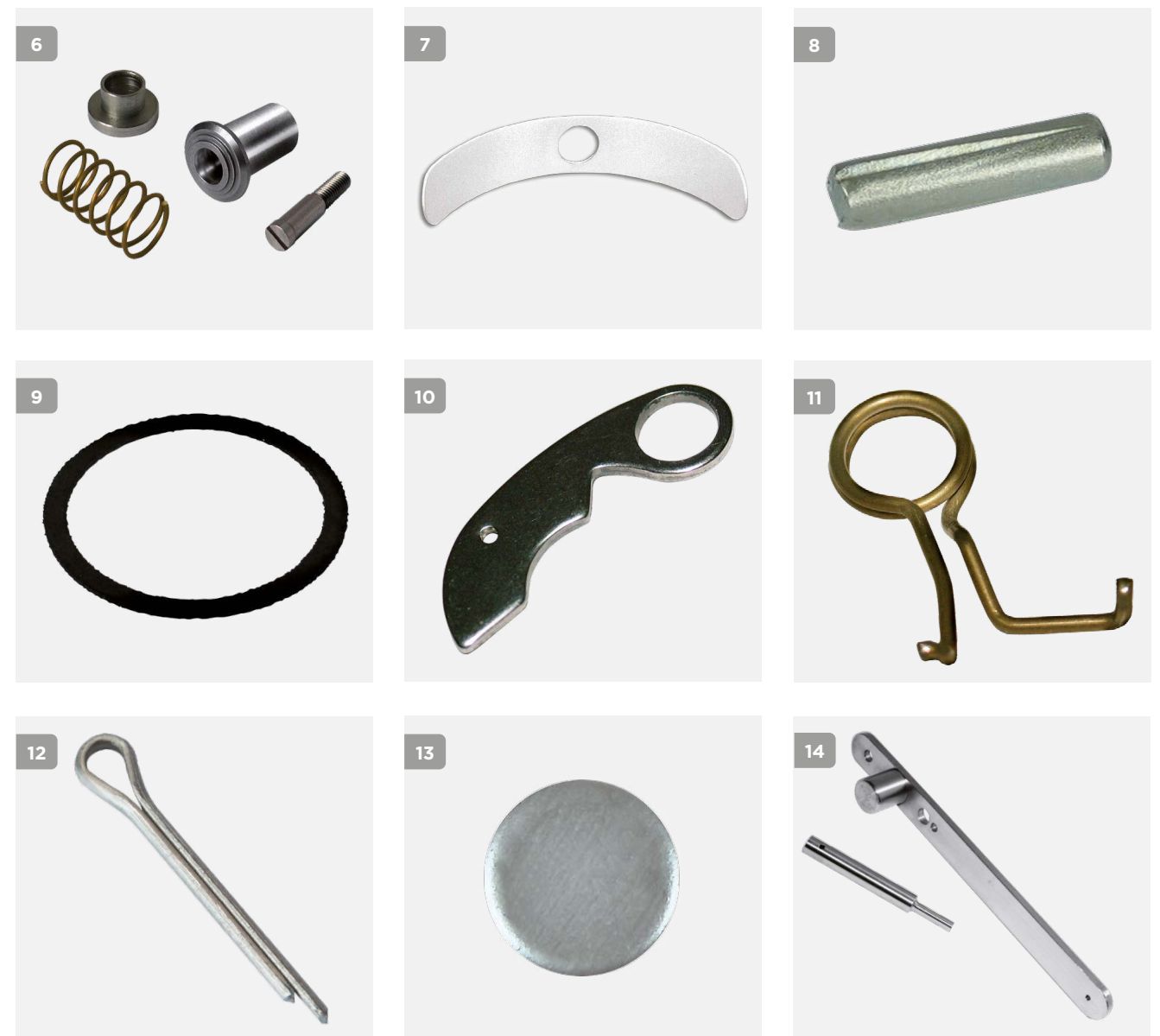
### Adapter Plates - Domed

Domed adapter plate compatible with the 54mm (2 1/8") Heavy Duty Wrist.

| Part Number | Size   | Description  | Compatible With                | Weight           | Height       |
|-------------|--------|--|--------------------------------|------------------|--------------|
| 4           | B00965 | 54mm<br>(2 1/8" x 3/4" x 1/2")<br>Allows free rotation <u>with</u> lock feature    | 54mm (2 1/8") Heavy Duty Wrist | 55g (1 15/16 oz) | 29mm<br>(1") |
| 5           | B00966 | 54mm<br>(2 1/8" x 3/4" x 1/2")<br>Allows free rotation <u>without</u> lock feature | 54mm (2 1/8") Heavy Duty Wrist | 60g (2 oz)       | 31mm<br>(1") |

## Wrist Units - Heavy Duty Wrist Spare Parts

### Heavy Duty Wrist Unit - Spare Parts



| Part Number | Description | Compatible With               | Supplied                                  |      |
|-------------|-------------|-------------------------------|---|------|
| 6           | E17985      | Operating Knob Kit 2", 2 1/8" | 50mm, 54mm (2", 2 1/8") Heavy Duty Wrists | Each |
| 7           | B05435      | Sliding Cover - Parallel      | All Heavy Duty Wrists                     | Each |
|             | B05368      | Sliding Cover - Tapered       | All Heavy Duty Wrists                     | Each |
| 8           | NPN0217     | Locking Mills Pin             | All Heavy Duty Wrists                     | Each |
| 9           | B00748      | Rubber Locking Ring           | All Heavy Duty Wrists                     | Each |
| 10          | B00744      | Snap Catch Blade              | All Heavy Duty Wrists                     | Each |
| 11          | B00746      | Catch Blade Spring            | All Heavy Duty Wrists                     | Each |
| 12          | NPN0007     | Split Pin                     | All Heavy Duty Wrists                     | Each |
| 13          | B00745      | Plug                          | All Heavy Duty Wrists                     | Each |
| 14          | B18631      | Assembly Removal Tool         | All Heavy Duty Wrists                     | Each |

## Wrist Units - Child's 2-Knob Wrist



### Child's 2-Knob Wrist Unit

Where regular interchange of a terminal device, rotation, or a lock is required, the Child's 2-Knob Wrist provides a durable unit that can be easily maintained. Commonly used alongside cosmetic and mechanical hands. A comprehensive range of hand and adapter plates are available to allow rotation with a locking feature (see below). Supplied with parallel housing and three screws.

| Part Number | Wrist Size                    | Description  | Weight     | Height        |
|-------------|-------------------------------|--|------------|---------------|
| B05143      | 40mm (1 1/2")                 | (Copper) Quick release, lock, 12 position rotation | 56g (2 oz) | 33mm (1 1/8") |
| B05142      | 45mm (1 3/4")                 | (Black) Quick release, lock, 12 position rotation  | 81g (3 oz) | 33mm (1 1/8") |
| NSC0375     | 40mm (1 1/2") + 45mm (1 3/4") | Replacement Screws                                 |            |               |



### Child's 2-Knob Wrist Hand Plate

The Child's 2-Knob Wrist Hand Plate fits a wide variety of terminal devices to ensure that this wrist is compatible with most fittings. Can be used with cosmetic and mechanical hands.

| Part Number | Wrist Size                  | Description                | Weight     | Height    |
|-------------|-----------------------------|----------------------------|------------|-----------|
| B07030      | 40mm (1 1/2" x 1/2" x 3/8") | 1 1/2" Child 2-Knob Rotary | 25g (1 oz) | 24mm (1") |
| B07029      | 45mm (1 3/4" x 1/2" x 3/8") | 1 3/4" Child 2-Knob Rotary | 31g (1 oz) | 24mm (1") |



### Child's 2-Knob Wrist Adapter Plate

The Child's 2-Knob Wrist Adapter Plate fits a wide variety of terminal devices with a threaded Stem to ensure that this wrist is compatible with most fittings.

| Part Number | Wrist Size                  | Internal Thread                  | Weight         | Height         |
|-------------|-----------------------------|----------------------------------|----------------|----------------|
| B00897      | 40mm (1 1/2" x 1/2" x 3/8") | 5/16" BSF (UK Juvenile Standard) | 20g (3/4oz)    | 27mm (1")      |
| B00821      | 45mm (1 3/4" x 1/2" x 3/8") | 5/16" BSF (UK Juvenile Standard) | 27g (1 oz)     | 27mm (1")      |
| B00905      | 45mm (1 3/4" x 1/2" x 3/8") | 3/8" BSW (UK Adult Standard)     | 43g (1 1/2 oz) | 38mm (1 3/16") |

## Wrist Units - Lightweight Friction Wrist



### Lightweight Friction Wrist

Available in child, juvenile, adolescent and adult sizes, the Lightweight Friction Wrist allows user-adjustable friction control and rotation in a lightweight design. By pulling back the protective ring it is possible to interchange terminal devices.

| Part Number | Wrist Size    | Application      | Weight         | Height        |
|-------------|---------------|------------------|----------------|---------------|
| C19011      | 40mm (1 1/2") | Child            | 33g (1oz)      | 32mm (1 1/2") |
| C12848      | 45mm (1 3/4") | Child/Juvenile   | 39g (1oz)      | 32mm (1 1/4") |
| C12810      | 50mm (2")     | Adolescent/Adult | 50g (1 3/4 oz) | 33mm (1 1/4") |
| C12824      | 54mm (2 1/8") | Adult            | 57g (2 oz)     | 33mm (1 1/4") |

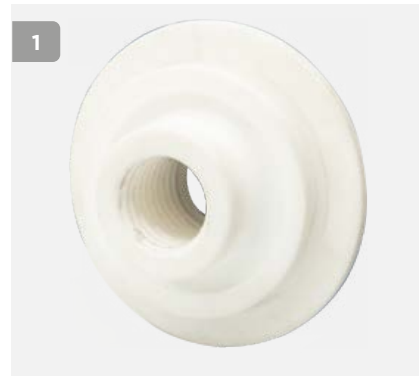


### Friction Wrist - Spare Parts

| Part Number | Size   | Description   | Supplied        |
|-------------|--------|---------------|-----------------|
| 1           | C18132 | 40mm (1 1/2") | Friction Ring   |
|             | B12852 | 45mm (1 3/4") | Friction Ring   |
|             | B12815 | 50mm (2")     | Friction Ring   |
|             | B12821 | 54mm (2 1/8") | Friction Ring   |
| 2           | B18133 | 40mm (1 1/2") | Protective Ring |
|             | B12850 | 45mm (1 3/4") | Protective Ring |
|             | B12813 | 50mm (2")     | Protective Ring |
|             | B12819 | 54mm (2 1/8") | Protective Ring |



## Wrist Units - Lightweight Friction Wrist



### Friction Wrist Adapter Plate

Friction Wrist Adapter Plate allows for locking, friction, free, and interrupted control over rotation of a terminal device with a threaded Stem.

| Part Number | Wrist Size | Internal Thread | Weight                           | Height       |             |
|-------------|------------|-----------------|----------------------------------|--------------|-------------|
| <b>1</b>    | B18161     | 40mm (1 1/2")   | 5/16" BSF (UK Juvenile Standard) | 9g (1/2 oz)  | 14mm (1/2") |
|             | B22959     | 40mm (1 1/2")   | M12 x 1.5 (European Standard)    | 11g (1/2 oz) | 18mm (3/4") |
| <b>1a</b>   | B19639     | 40mm (1 1/2")   | 1/2" x 20 TPI (US Standard)      | 9g (1/2 oz)  | 18mm (3/4") |
|             | B18169     | 45mm (1 3/4")   | 5/16" BSF (UK Juvenile Standard) | 15g (1/2 oz) | 18mm (3/4") |
|             | B18170     | 45mm (1 3/4")   | 3/8" BSW (UK Adult Standard)     | 15g (1/2 oz) | 18mm (3/4") |
|             | B18171     | 45mm (1 3/4")   | M12 x 1.5 (European Standard)    | 12g (1/2 oz) | 18mm (3/4") |
|             | B18172     | 45mm (1 3/4")   | 1/2" x 20 TPI (US Standard)      | 11g (1/2 oz) | 18mm (3/4") |
|             | B18173     | 50mm (2")       | 3/8" BSW (UK Adult Standard)     | 17g (1/2 oz) | 18mm (3/4") |
|             | B18174     | 50mm (2")       | M12 x 1.5 (European Standard)    | 17g (1/2 oz) | 18mm (3/4") |
|             | B18175     | 50mm (2")       | 1/2" x 20 TPI (US Standard)      | 15g (1/2 oz) | 18mm (3/4") |
|             | B18176     | 54mm (2 1/8")   | 3/8" BSW (UK Adult Standard)     | 20g (3/4 oz) | 18mm (3/4") |
|             | B18177     | 54mm (2 1/8")   | M12 x 1.5 (European Standard)    | 19g (1/2 oz) | 18mm (3/4") |
|             | B18178     | 54mm (2 1/8")   | 1/2" x 20 TPI (US Standard)      | 19g (1/2 oz) | 18mm (3/4") |



### Friction Wrist Hand Connection Plates (no inserts)

For fitting with plain based cosmetic foam hands.

| Part Number | Wrist Size    | Weight       | Height     |
|-------------|---------------|--------------|------------|
| B18165      | 40mm (1 1/2") | 6g (1/8 oz)  | 8mm (3/8") |
| B18215      | 45mm (1 3/4") | 9g (1/8 oz)  | 8mm (3/8") |
| B12811      | 50mm (2")     | 17g (1/2 oz) | 8mm (3/8") |
| B12817      | 54mm (2 1/8") | 19g (5/8 oz) | 8mm (3/8") |

## Wrist Units - Lightweight Friction and Short Wrist



### Friction Wrist Hand Connection Handplate

Friction Wrist Hand Connection Handplate for Steeper Myoelectric, Spring Operated, and Cable Operated Hands

| Part Number | Wrist Size    | Weight       | Height     |
|-------------|---------------|--------------|------------|
| KFW045      | 45mm (1 3/4") | 14g (1/2 oz) | 9mm (3/8") |
| KFW050      | 50mm (2")     | 16g (1/2 oz) | 9mm (3/8") |
| KFW054      | 54mm (2 1/8") | 20g (3/4 oz) | 9mm (3/8") |



### Friction Wrist Housing

The Friction Wrist Housing can be used as a stand alone wrist and can be mounted directly into the forearm and provides friction control over the rotation of the wrist which is pre-set via an adjustment screw. Available in a variety of wrist diameters and threaded stem sizes.

| Part Number  | Description                    | Thread                            | Weight       | Height      |
|--------------|--------------------------------|-----------------------------------|--------------|-------------|
| NHD55108     | Friction Housing 40mm (1 1/2") | Internal Thread 1/2" UNF x 20 TPI | 16g (3/4 oz) | 16mm (5/8") |
| NHD55109     | Friction Housing 45mm (1 3/4") | Internal Thread 1/2" UNF x 20 TPI | 23g (3/4 oz) | 16mm (5/8") |
| NHD55110     | Friction Housing 50mm (2")     | Internal Thread 1/2" UNF x 20 TPI | 30g (1 oz)   | 16mm (5/8") |
| NHD55108-M12 | Friction Housing 40mm (1 1/2") | Internal Thread M12               | 22g (3/4 oz) | 16mm (5/8") |
| NHD55109-M12 | Friction Housing 45mm (1 3/4") | Internal Thread M12               | 22g (3/4 oz) | 16mm (5/8") |
| NHD55110-M12 | Friction Housing 50mm (2")     | Internal Thread M12               | 31g (1 oz)   | 16mm (5/8") |



### Short Wrist

Providing the shortest build height, the Short Wrist can be used as a stand alone wrist and can be mounted directly into the forearm. BBSW50 and BBSW45 allow for the terminal device to be easily disengaged. These devices provide friction control over the rotation of the wrist which is pre-set via an adjustment screw. Available in a variety of wrist diameters and threaded stem sizes.

| Part Number | Size      | Description                   | Weight       | Height      |
|-------------|-----------|-------------------------------|--------------|-------------|
| BBSW45      | 45mm (2") | 1/2" x 20 TPI Internal Thread | 18g (1 oz)   | 10mm (3/8") |
| BBSW50      | 50mm (2") | 1/2" x 20 TPI Internal Thread | 22g (3/4 oz) | 10mm (3/8") |
| BBSW50-M12  | 50mm (2") | M12 Internal Thread           | 22g (3/4 oz) | 10mm (3/8") |

## Wrist Units - Wooden and Fixed Wrists



### Wooden Fixed Wrist

A lightweight wooden wrist that can be modified to produce a bespoke wrist profile. Commonly used alongside a cosmetic hand to create a lightweight prosthesis.

| Part Number | Size          | Description                               | Weight       | Height          |
|-------------|---------------|---|--------------|-----------------|
| N621020100  | 60mm (2 3/8") | M12 thread. Parallel, bonded into forearm | 40g (1 1/2") | 36mm (1 27/64") |



### Fixed Wrist Connector and Former - Round

Commonly used in the manufacture of lightweight cosmetic devices, the Fixed Wrist allows the bonding of a Steeper cosmetic hand to a custom forearm. The wrist former allows the fixed wrist connector to be retrofitted once an outer laminate forearm has been manufactured.

The round fixed wrist connector is also compatible with the Multi-Axial Wrist Housing and Free Flexion Ball Insert (p.109), providing an exoskeletal wrist with variable friction control over rotation, flexion and extension.

| Fixed Wrist Part Number | Former Part Number | Wrist Size    | Weight       | Height      |
|-------------------------|--------------------|---------------|--------------|-------------|
| 1 B05963                | 2 SB12136/1        | 40mm (1 1/2") | 7g (1/4 oz)  | 16mm (5/8") |
| B05441                  | SB12136/2          | 45mm (1 3/4") | 9g (5/16 oz) | 19mm (3/4") |
| B05440                  | SB12136/3          | 50mm (2")     | 11g (3/8 oz) | 19mm (3/4") |
| B05439                  | SB12136/4          | 54mm (2 1/8") | 13g (1/2 oz) | 19mm (3/4") |

## Wrist Units - Fixed Wrist and Hand Plates



### Fixed Wrist Connector and Former - Oval

Commonly used in the manufacture of lightweight cosmetic devices, the Fixed Wrist allows the bonding of a Steeper Cosmetic Hand to a custom forearm. The wrist former allows the fixed wrist connector to be retrofitted once an outer laminate forearm has been manufactured.

| Fixed Wrist Part Number | Wrist Size    | Weight       | Height        | Former Part Number |
|-------------------------|---------------|--------------|---------------|--------------------|
| 3 B06252                | 45mm (1 3/4") | 7g (1/4 oz)  | 22mm (3/4")   | 4 B06986           |
| B06256                  | 50mm (2")     | 10g (3/8 oz) | 22mm (3/4")   | B06985             |
| B06255                  | 54mm (2 1/8") | 13g (1/2 oz) | 32mm (1 1/4") | B06984             |



### Hand Plate - North American - 1/2"

For use with Foam Hand with Oval base (2 1/2" - 3 3/4").

1. Is used with Steeper foam hand with round interface.
2. Is used with foam hand with oval wrist exposed.

| Part Number | Wrist Size | External Thread | Shape                            | Weight       | Height    |
|-------------|------------|-----------------|----------------------------------|--------------|-----------|
| 1 B10530    | 40mm       | 1/2" x 20 TPI   | Round - Steeper Hand Attachment  | 10g (1/2 oz) | 26mm (1") |
| B22758      | 40mm       | 1/2" x 20 TPI   | Round - Ottobock Hand Attachment | 14g (1/2 oz) | 26mm (1") |
| B22757      | 45mm       | 1/2" x 20 TPI   | Round - Steeper Hand Attachment  | 13g (1/2 oz) | 26mm (1") |
| B22756      | 50mm       | 1/2" x 20 TPI   | Round - Steeper Hand Attachment  | 16g (1/2 oz) | 26mm (1") |
| B22755      | 54mm       | 1/2" x 20 TPI   | Round - Steeper Hand Attachment  | 17g (3/8 oz) | 26mm (1") |

Both B22757, B22756 and B22755 are also compatible with Ottobock fastening arrangement.

|          |      |               |      |             |             |
|----------|------|---------------|------|-------------|-------------|
| 2 B06257 | 45mm | 1/2" x 20 TPI | Oval | 9g (3/8 oz) | 20mm (3/4") |
|----------|------|---------------|------|-------------|-------------|



### Hand Plate - European - M12

For use with cosmetic and mechanical hands with a round interface.

| Part Number | Wrist Size                 | External Thread | Shape | Weight         | Height      |
|-------------|----------------------------|-----------------|-------|----------------|-------------|
| B22768      | 40mm (1 1/2" x 3/4" x M12) | M12 x 1.5       | Round | 11g (1/2 oz)   | 18mm (3/4") |
| B07786      | 45mm (1 3/4" x 3/4" x M12) | M12 x 1.5       | Round | 32g (1 oz)     | 20mm (3/4") |
| B06942      | 50mm (2" x 3/4" x M12)     | M12 x 1.5       | Round | 43g (1 1/2 oz) | 20mm (3/4") |

Both B06942 and B07786 are also compatible with Ottobock fastening arrangement.





The Steeper range of mechanical elbows offer a variety of devices which can be controlled with body power, via a harnessing system or using a sound limb.

The mechanical elbow range is able to connect to a range of terminal devices and combined with a choice of componentry create a full upper limb system.



## Espire™ Elbow Classic

The Espire Classic is a mechanical elbow featuring a forearm counterbalancing mechanism, and a manual lock to allow the patient to freely position the device with minimal effort, the elbow lock is controlled via a cable on the device with a simple upwards pull this can be done with the sound hand or via another body movement captured through a harness. Humeral rotation can be controlled via means of friction adjustment.

As it contains no electronics or circuitry, it is the ideal option for patients seeking a lightweight elbow solution.

The Espire Classic features the same anatomical shape as the other Espire models and is sided to further aid this aesthetic.



### Features and Benefits

- Counterbalance mechanism to negate the effects of gravity and allows the patient to position the forearm with minimal effort
- Mechanical locking mechanism that can be locked or unlocked under load, with a maximum holding limit of 11.3kg
- Body-powered elbow
- Forearm counterbalance for lift compensation and offsets the weight
- Two dial placement options available: lateral or medial
- Anatomically shaped with a natural resting position
- Lightweight build
- Three standard finishes; Brown, Caucasian and Black
- Three enhanced finishes; Pearlescent White, Metallic Silver and Carbon Fibre available; additional charges may apply
- Custom finishes available, see [www.steepergroup.com](http://www.steepergroup.com) for more details



### Espire™ Classic Technical Information

| Elbow Joint Control | Elbow Lock | Locking Positions | Lift Compensation | Dial Placement Options | Flexion Angle | Terminal Device Control |
|---------------------|------------|-------------------|-------------------|------------------------|---------------|-------------------------|
| Mechanical          | Manual     | 13                | Counterbalance    | Medial or Lateral      | -5 - 135°     | Mechanical              |

| Mode of Operation | Connections |         | Warranty |
|-------------------|-------------|---------|----------|
|                   | Inputs      | Outputs |          |
| Mechanical        | 0           | 0       | 1 Year   |

| Size            | Device Weight    |
|-----------------|------------------|
| Small (45mm)    | 651g (23 oz)     |
| Standard (50mm) | 671g (23 2/3 oz) |

**Note:** The Espire Elbow dimensions table can be found on p.39.

### Espire™ Classic Ordering Information

| Part ID | Side | Colour | Dial Placement | Size |
|---------|------|--------|----------------|------|
| EEC     | -    |        |                |      |

|       |          |              |            |         |          |          |          |
|-------|----------|--------------|------------|---------|----------|----------|----------|
| Left  | <b>L</b> | Brown        | <b>B</b>   | Lateral | <b>L</b> | Small    | <b>S</b> |
| Right | <b>R</b> | Caucasian    | <b>C</b>   | Medial  | <b>M</b> | Standard | <b>D</b> |
|       |          | Jet Black    | <b>J</b>   |         |          |          |          |
|       |          | Silver       | <b>S</b>   |         |          |          |          |
|       |          | White        | <b>W</b>   |         |          |          |          |
|       |          | Black        |            |         |          |          |          |
|       |          | Carbon Fibre | <b>001</b> |         |          |          |          |

#### Example Part Number:

Espire Classic Elbow, Left, Jet Black, Standard size: **EEC-LJMD**

**Note:** Espire Elbow Classic Order Form is available on the next page.



# Espire Classic

Included:  
Espire Classic, hex key  
and lamination kit.



## 1. Select Espire Classic Model

**EEC** - **L/R** **B/C/J/S/W/001** **M/L** **D/S**

| Side  | Code | Colour              | Code | Dial Location | Code | Size     | Code |
|-------|------|---------------------|------|---------------|------|----------|------|
| Left  | L    | Brown               | B    | Medial        | M    | Standard | D    |
| Right | R    | Caucasian           | C    | Lateral       | L    | Small    | S    |
|       |      | Jet Black           | J    |               |      |          |      |
|       |      | Silver              | S    |               |      |          |      |
|       |      | White               | W    |               |      |          |      |
|       |      | Black Carbon Finish | 001  |               |      |          |      |
|       |      | Custom Colour*      |      |               |      |          |      |

\*Please specify upon ordering

## 2. Cable Accessories

Forearm Cable Lift Kit  For medial standard (EE-FCL-E)  All other models (EE-FCL-S)  
 Transhumeral Control Cable Kit (C18574)

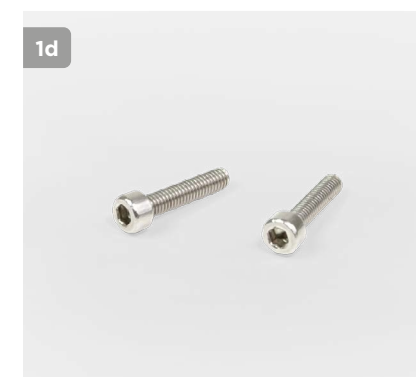
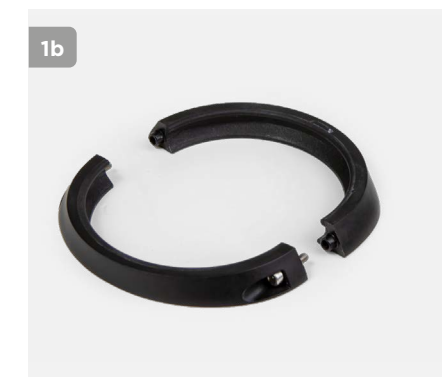
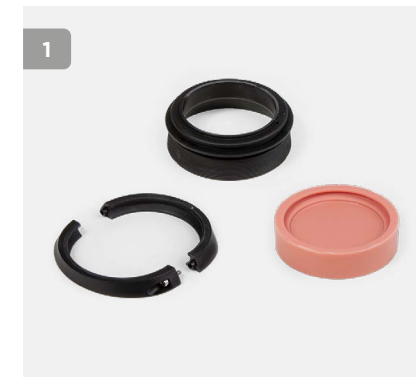
## 3. Select Wrist

Steeper Friction Wrist  45mm wrist (C12848)  50mm wrist (C12810)  
 Steeper Short Wrist  45mm wrist (BBSW45)  50mm wrist (BBSW50)  
 Steeper Heavy-Duty Wrist  50mm wrist (SP249)  
 Steeper Child's 2-Knob Wrist  45mm wrist (B05142)

NB: Please order the appropriate connection plates to fit to the selected wrist and terminal device, which must be ordered separately.

## Additional Information

## Espire Elbow Lamination Parts



| Part Number      | Description   |
|------------------|---|
| <b>1</b> EE-LK   | Espire Elbow Complete Lamination Kit (including screws) |
| <b>1a</b> EE-LCO | Espire Elbow Lamination Collar                          |
| <b>1b</b> EE-LCP | Espire Elbow Lamination Clamp                           |
| <b>1c</b> EE-LD  | Espire Elbow Lamination Dummy                           |
| <b>1d</b> EE-CS  | Espire Elbow Lamination Clamp Screws (2pc) M2.5 x 12mm  |



## Forearm Cable Lift Kit

Lift-assist option for cable-controlled prostheses. Kits include a leather cable loop, 2-pc rivet, 10-32 fasteners (2), bushings (2), and a 7.6mm (5/16") drill bit with collar. To be used on the Espire Hybrid, Classic Plus, Classic and Basic.

| Part Number | Description                      | To Fit   |
|-------------|----------------------------------|--|
| EE-FCL-E    | Forearm Cable Lift Kit, Extended | Standard size elbows (50mm) with medial dial placement                         |
| EE-FCL-S    | Forearm Cable Lift Kit, Standard | All elbows <b>except</b> standard size (50mm) elbow with medial dial placement |



**Automatic Elbow**

Automatic Elbow with eight lock positions that can be engaged/disengaged alternately through the actuator. This can be done with the sound hand or by another body movement captured through a harness. Locked/unlocked control of humeral rotation also allows for friction adjustment of this movement.

- Detachable forearms with parallel distal sections are available in various wrist sizes.
- Links proximally to parallel or tapered lateral rings.
- Four colours available.

**Note:** # Denotes finish colour. Add **PK** for Pink, **ST** for Tan, **MB** for Mid Brown or **DB** for Dark Brown.

| Part Number | Elbow Size (Dia.) | Description                 | Wrist Options           | Weight         |
|-------------|-------------------|-----------------------------|-------------------------|----------------|
| B11185#     | 58mm (2 ¼")       | Automatic Elbow, Child      | 38mm, 45mm (1 ½", 1 ¾") | 255g (9 oz)    |
| C07375#     | 64mm (2 ½")       | Automatic Elbow, Adolescent | 50mm, 54mm (2", 2 ½")   | 328g (11 ½ oz) |
| C07286#     | 70mm (2 ¾")       | Automatic Elbow, Adult      | 50mm, 54mm (2", 2 ½")   | 346g (12 oz)   |



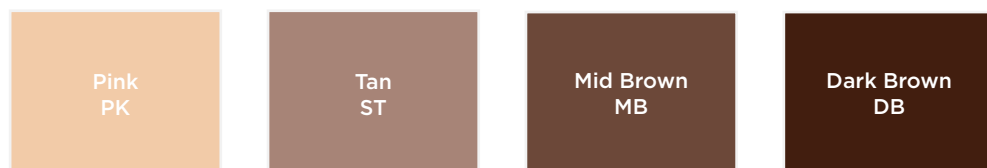
**Prefabricated Forearm for Automatic Elbow**

Laminated in polyester with toughened integrated side steels to fit the Automatic Elbow. Side steels have prepositioned holes for placement of forearm pulley, and the parallel distal section allows finished lengths to be determined accurately. Supplied in four colours. Please contact Customer Services for alternative colour requirements.

**Note:** # Denotes finish colour. Add **PK** for Pink, **ST** for Tan, **MB** for Mid Brown or **DB** for Dark Brown.

| Part Number | Elbow Size (Dia.) | Description        | External Wrist (Dia.) | Overall Length | Parallel Length | Weight        |
|-------------|-------------------|--------------------|-----------------------|----------------|-----------------|---------------|
| C10564#     | 58mm (2 ¼")       | Child Forearm      | 38mm (1 ½")           | 226mm (9")     | 120mm (4 ¾")    | 117g (4 oz)   |
| C10560#     | 58mm (2 ¼")       | Child Forearm      | 45mm (1 ¾")           | 230mm (9")     | 120mm (4 ¾")    | 94g (3 ½ oz)  |
| C10552#     | 64mm (2 ½")       | Adolescent Forearm | 50mm (2")             | 260mm (10 ¼")  | 120mm (4 ¾")    | 114g (4 oz)   |
| C10556#     | 64mm (2 ½")       | Adolescent Forearm | 54mm (2 ½")           | 275mm (11")    | 120mm (4 ¾")    | 155g (5 ½ oz) |
| C11381#     | 70mm (2 ¾")       | Adult Forearm      | 50mm (2")             | 305mm (12")    | 120mm (4 ¾")    | 184g (6 ½ oz) |
| C07646#     | 70mm (2 ¾")       | Adult Forearm      | 54mm (2 ½")           | 307mm (12")    | 120mm (4 ¾")    | 174g (6 oz)   |

**Colours for Automatic and Manual Elbows (for indication only):**



**Adult Manual Elbow**

Adult Elbow with manual control of five locking positions or free swing mode, and friction control over "ball into detent" humeral rotation. The integral forearm has a parallel distal section of 54mm (2 ½") for wrist placement. Four colour choices. Links proximally to B00230 or B06563 Lateral Rings (see below).

**Note:** # Denotes finish colour. Add **PK** for Pink, **ST** for Tan, **MB** for Mid Brown or **DB** for Dark Brown.

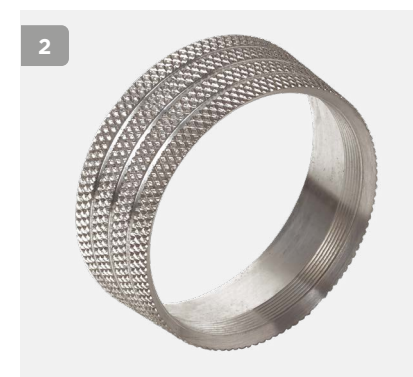
| Part Number | Elbow Size (Dia.) | Wrist Diameter | Weight       |
|-------------|-------------------|----------------|--------------|
| B10612#     | 70mm (2 ¾")       | 54mm (2 ½")    | 484g (17 oz) |



**Child Friction Elbow**

Child Friction elbow with adjustable friction control of flexion, extension and humeral rotation. Side bars allow attachment of a locally made forearm, and features an integral proximal attachment plate for socket attachment. May also be used as a lightweight friction shoulder joint. Pale/Pink supplied as standard.

| Part Number | Elbow Size (Diameter) | Weight       |
|-------------|-----------------------|--------------|
| C10828      | 38mm (1 ½")           | 72g (2 ½ oz) |
| C10826      | 45mm (1 ¾")           | 81g (3 oz)   |



**Lateral Rings**

Lateral Rings for Manual and Automatic Elbows. External knurl for secure adhesion of laminate and internal thread allowing elbow to be fitted, secured or removed as necessary.

| Part Number | Elbow Size (Dia.) | Description | Elbow               | Weight    |
|-------------|-------------------|-------------|---------------------|-----------|
| 1 B12433    | 58mm (2 ¼")       | Parallel    | Automatic           | 24g (1oz) |
| B07384      | 64mm (2 ½")       | Parallel    | Automatic           | 24g (1oz) |
| B00230      | 70mm (2 ¾")       | Parallel    | Automatic or Manual | 22g (1oz) |
| 2 B06563    | 70mm (2 ¾")       | 5° Taper    | Automatic or Manual | 26g (1oz) |



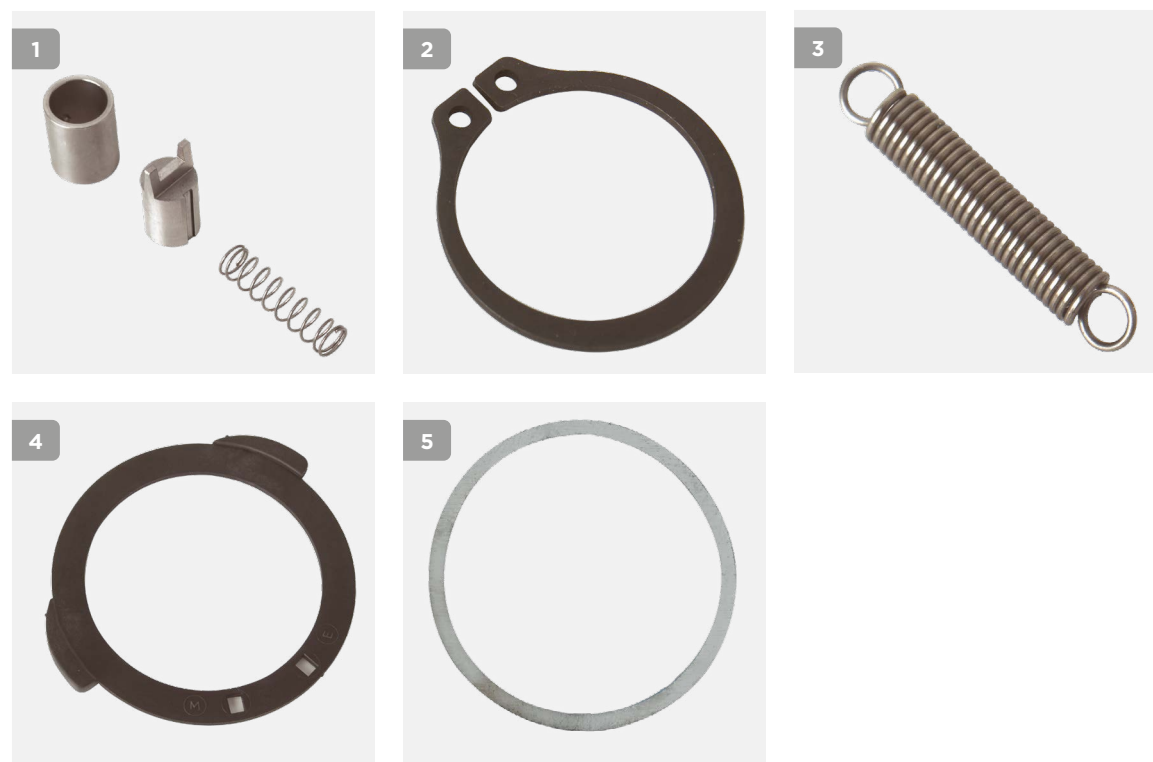


**Elbow Dome**

**Note:** # Denotes finish colour. Add **PK** for Pink, **ST** for Tan, **MB** for Mid Brown or **DB** for Dark Brown. See page 152 for colour indications.

| Part Number | Size (Dia.) | Description                  | Elbow           |
|-------------|-------------|------------------------------|-----------------|
| E20544#     | 58mm (2 ¼") | Elbow Dome, Slides, 4 Screws | Automatic Elbow |
| E20517#     | 64mm (2 ½") | Elbow Dome, Slides, 4 Screws | Automatic Elbow |
| E20518#     | 70mm (2 ¾") | Elbow Dome, Slides, 4 Screws | Automatic Elbow |
| B05885#     | 70mm (2 ¾") | Elbow Dome                   | Manual Elbow    |

**Automatic Elbow Spare Parts**



| Part Number | Description | Elbow                  | Supplied                                    |            |
|-------------|-------------|------------------------|---|------------|
| 1           | E18026      | Plunger Assembly       | 58mm (2 ¼") Automatic Elbow                 | Each       |
|             | E14066      | Plunger Assembly       | 64mm (2 ½") and 70mm (2 ¾") Automatic Elbow | Each       |
| 2           | NCR0012     | Circlip                | 58mm (2 ¼") Automatic Elbow                 | Each       |
|             | NCR0003     | Circlip                | 64mm (2 ½") and 70mm (2 ¾") Automatic Elbow | Each       |
| 3           | SP800       | Cam Return Spring      | All sizes Automatic Elbow                   | Pack of 10 |
| 4           | B07832      | Lateral Operating Ring | 58mm (2 ¼") Automatic Elbow                 | Each       |
|             | B07400      | Lateral Operating Ring | 64mm (2 ½") Automatic Elbow                 | Each       |
|             | B08642      | Lateral Operating Ring | 70mm (2 ¾") Automatic Elbow                 | Each       |
| 5           | A00711      | Spacer Shim 0.10mm     | All sizes Automatic Elbow                   | Each       |
|             | A00710      | Spacer Shim 0.20mm     | All sizes Automatic Elbow                   | Each       |
|             | A00709      | Spacer Shim 0.30mm     | All sizes Automatic Elbow                   | Each       |

**Button Screws**



| Part Number | Description | Elbow   |                           |
|-------------|-------------|---|---------------------------|
| 6           | A00564      | Button Screw                                      | All sizes Automatic Elbow |
| 6a          | B05116      | Slotted Screw                                     | Manual Elbow              |
|             | B10841      | Slotted Screw for Child Elbow                     | Child Friction Elbow      |
| 7           | A00891      | Torsion Socket Spanner for A00564 (¼" Drive Head) | N/A                       |

**Note:** All side steels are supplied individually - not in pairs.



### Automatic Lock Joints

Stainless steel lock joints suitable for prosthetic/orthotic application. May be inverted for manual operation on a forearm. The system incorporates a shoulder shrug operated lock, and a short extension piece below the joint may be used to stabilise the socket. Supplied in matte finish.

| Part Number | Description | Length                          | Joint Head Width | Steel Thickness |
|-------------|-------------|---------------------------------|------------------|-----------------|
| 1           | C12693      | Left Medial - Auto Lock         | 400mm (15 3/4")  | 14.4mm (5/8")   |
|             | C12623      | Right Medial - Auto Lock        | 400mm (15 3/4")  | 14.4mm (5/8")   |
| 2           | B01197      | Left/Right Lateral - Free Swing | 400mm (15 3/4")  | 8.2mm (3/8")    |



### Manual Lock Joints

Manual Lock Joint for flail arm application. Supplied with a series of pre-drilled and M3 tapped holes along the length and with a manually operated release mechanism on the forearm.

| Part Number | Description                | Length          | Joint Head Width | Steel Thickness                        |
|-------------|----------------------------|-----------------|------------------|--|
| C12701      | Left Medial - Manual lock  | 400mm (15 3/4") | 14.4mm (5/8")    | 2.6mm (1/8") Lower, 3.2mm (1/8") Upper |
| C12696      | Right Medial - Manual lock | 400mm (15 3/4") | 14.4mm (5/8")    | 2.6mm (1/8") Lower, 3.2mm (1/8") Upper |

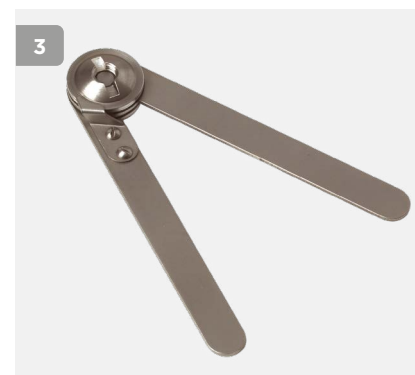
**Note:** All side steels are supplied individually - not in pairs.



### Free Swing Joints

Suitable for long transhumeral prostheses or as guide joints for very short transradial prostheses or for elbow orthoses. These joints are manufactured from stainless steel for increased durability, and fitted with an extension stop at 8°. Supplied unassembled, the joints are riveted at set up.

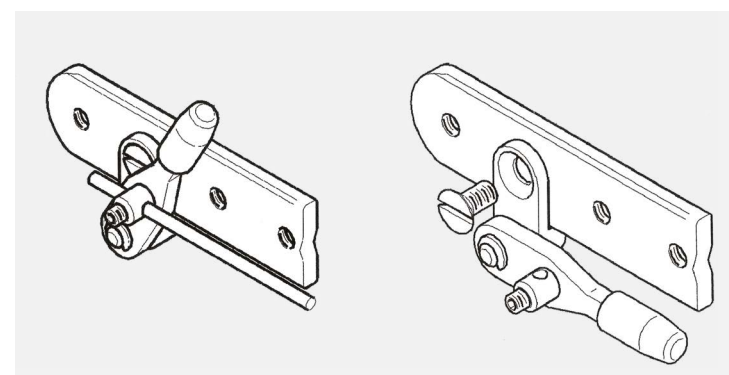
| Part Number | Description  | Length      | Width        | Thickness     | Boss Diameter |
|-------------|--|-------------|--------------|---------------|---------------|
| B10168      | Plain Joint Left Medial/Right Lateral - Free Swing | 353mm (14") | 9.5mm (3/8") | 1.6mm (1/16") | 16mm (5/8")   |
| B07990      | Plain Joint Right Medial/Left Lateral - Free Swing | 353mm (14") | 9.5mm (3/8") | 1.6mm (1/16") | 16mm (5/8")   |



### Friction Control Joints

Friction adjustment to allow passive positioning of prosthetic forearm or orthosis. Non-locking. Child application.

| Part Number | Description | Length                        | Width         | Thickness    | Boss Diameter |
|-------------|-------------|-------------------------------|---------------|--------------|---------------|
| 3           | B05774      | Left Medial - Friction Steel  | 65mm (6 1/2") | 9.5mm (3/8") | 1.6mm (1/16") |
|             | B05775      | Right Medial - Friction Steel | 65mm (6 1/2") | 9.5mm (3/8") | 1.6mm (1/16") |
| 4           | B11263      | Left Lateral - Free Swing     | 65mm (6 1/2") | 9.5mm (3/8") | 1.6mm (1/16") |
|             | B11264      | Right Lateral - Free Swing    | 65mm (6 1/2") | 9.5mm (3/8") | 1.6mm (1/16") |



### Operating Lever Kit

The Operating Lever Kit is designed to be used with the following joints (C12693, C12623 and C12696), and provides an alternative manual lever release mechanism. The lever release should be situated on the forearm which requires the auto lock steels to be inverted.

| Part Number | Description         |
|-------------|---------------------|
| E21197      | Operating Lever Kit |



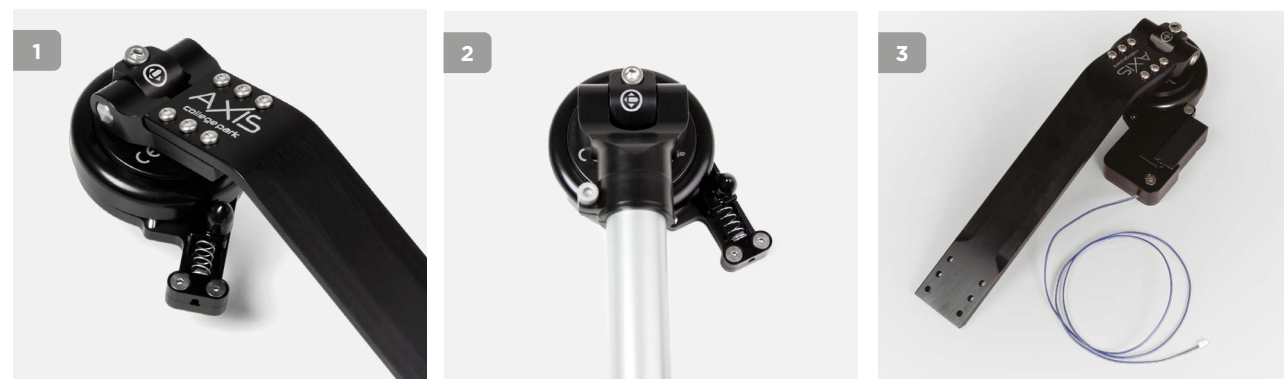
**Axis Shoulder**

The Axis Shoulder from College Park features a friction hinge shoulder joint, which can be locked with simple switches or myoelectric signals simplifying the need for harnessing by removing the need for large body movements.

The shoulder joint provides improved task control and a natural range of motion for ease of the user when carrying out activities of daily living. Able to operate as a free swing joint and provide 240° arc motion to mimic the natural movement of the joint. The Axis Shoulder can be integrated with all upper limb control systems with a special channel to conceal and protect power cables.

Available in 3 options; Exo, Endo for use with all upper limb control systems or electronic with electric lock actuator which can only be used with the Espire Pro or Hybrid, for more information about inputs and Espire Elbow Pro and Hybrid models please see p. 32-35.

**Note:** This product is provided by College Park in the USA and distributed by Steeper across other markets, however may not be available in all regions, please speak to your Steeper representative for more information.



| Part Number | Description   | Compatibility                  |
|-------------|---|--------------------------------|
| 1           | NSJ90-BK Exo Axis Shoulder*   | All upper limb control systems |
| 2           | NSJ100-BK Endo Axis Shoulder*   | All upper limb control systems |
| 3           | NSJ92-BK Axis Electronic Exoskeletal Shoulder with Electronic Lock Actuator | Espire Pro and Hybrid          |

\* Includes shoulder joint, mounting ring and hardware

**Axis Shoulder Technical Information**

| Model      | Swing | Locking Positions | Abduction | Weight Limit | Mounting | Weight      | Warranty |
|------------|-------|-------------------|-----------|--------------|----------|-------------|----------|
| Exo        | 240°  | 25                | 180°      | 23kg (50lb)  | Exo      | 290g (10oz) | 2 years  |
| Endo       | 240°  | 25                | 180°      | 23kg (50lb)  | Endo     | 290g (10oz) | 2 years  |
| Electronic | 240°  | 25                | 180°      | 23kg (50lb)  | Exo      | 318g (11oz) | 2 years  |

**Axis Shoulder Additional Parts**



| Part Number | Description                              |
|-------------|--|
| 1           | NSJ43 Lock Release Kit                   |
| 2           | NSJ45 Nudge Kit                          |
| 3           | NSJ60 3 Spoke Mounting Plate, Black      |
| 4           | NSJ63 Straight Mounting Plate, Aluminium |
| 5           | 156365 Espire Elbow Endo Adapter Kit     |

**Note:** Products 1 - 4 are provided by College Park in the USA and distributed by Steeper across other markets, however may not be available in all regions, please speak to your Steeper representative for more information.



Suspension systems act as an anchor point, aiding stabilisation of the prosthesis. They vary in design from simple webbing to full elasticated corsets.

Where body motion is utilised to operate an elbow or terminal device, control system kits are available in a number of different cable materials, together with all associated guides, pulleys and terminal device connections.

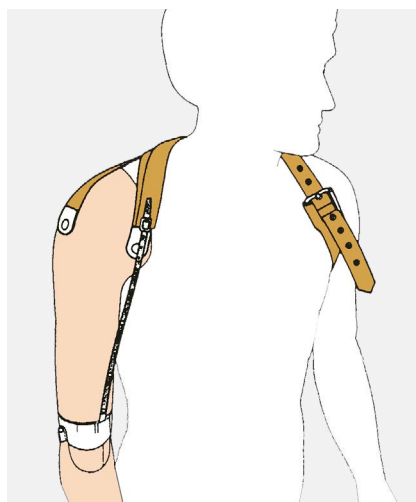
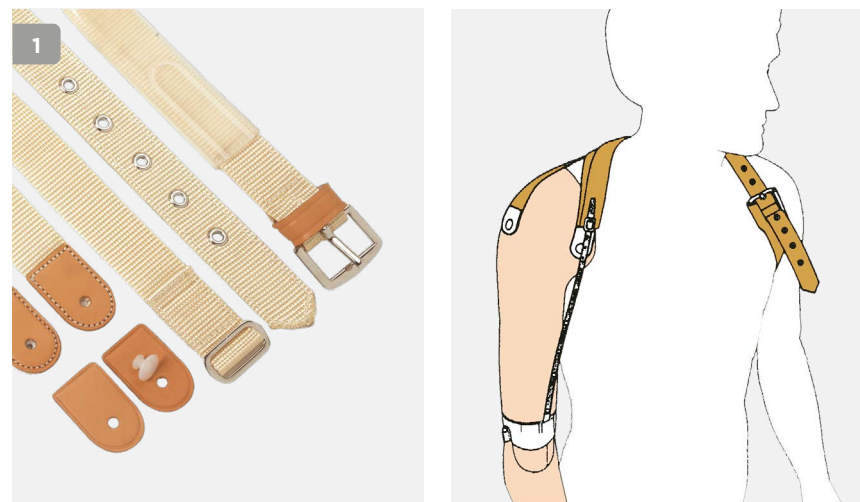
The control system is linked to the suspension to provide an 'Operating Harness'.

- Upper Limb Prosthetics
- Ordering Information
- Myoelectric Hands
- Myoelectric Elbows
- Myoelectric Power & Inputs
- Cable Operated & Spring Hands
- Functional Devices
- Cosmetic Hands & Gloves
- Modular Arm Systems
- Wrist Units
- Mech. Elbow Units & Joints
- Suspension & Control Systems**
- Materials & Tools

- Upper Limb Prosthetics
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- Suspension & Control Systems**
- Materials & Tools



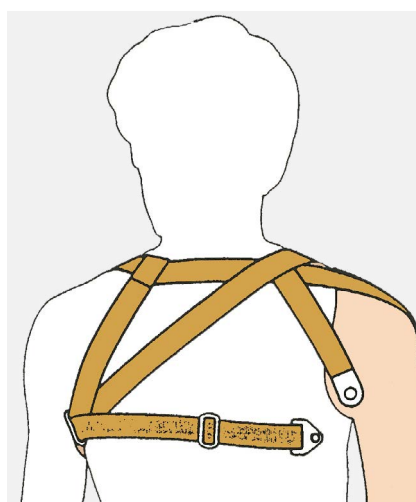
**Transhumeral Suspension Kit**



Supplied in peach nylon. Three-piece socket attachment, elasticated posterior section to ensure firm and comfortable fit, adjustable by means of a buckle system.

**Note:** Elbow Lock Strap and Control Cable Kit to be ordered separately. Control Cable Kit includes link to Suspension Kit.

19mm kits for use with Perlon operating system only.

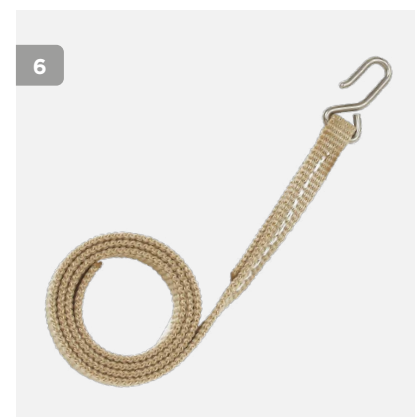
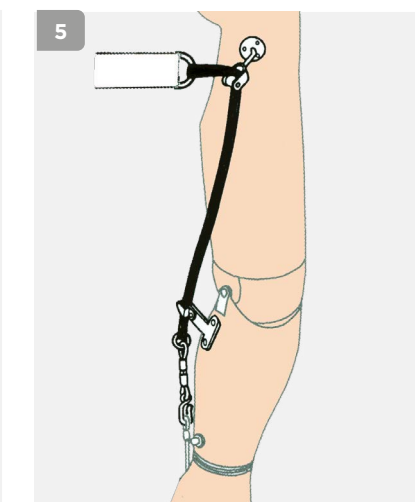
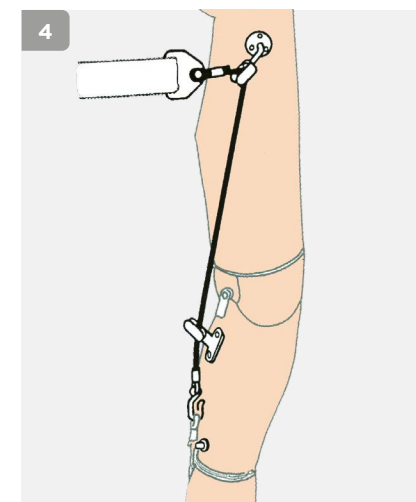
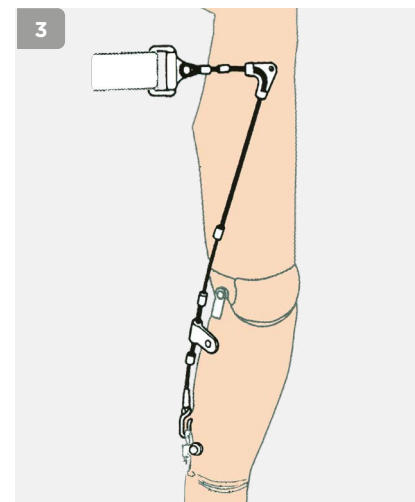
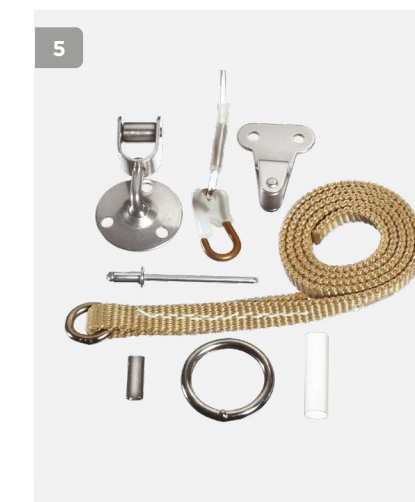
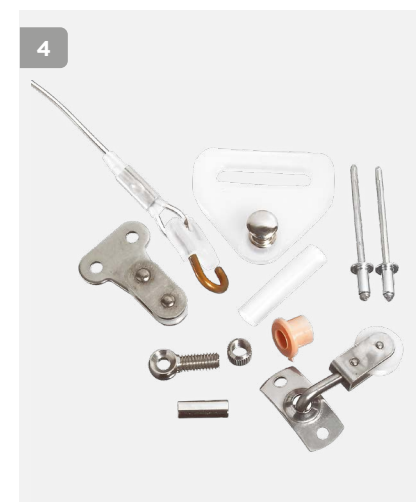
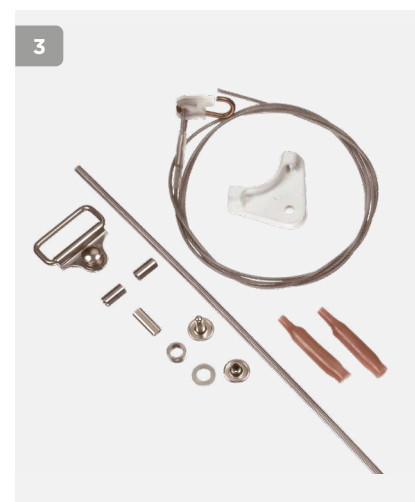


| Part Number | Description   |
|-------------|---|
| 1 C18575    | 19mm (¾") - Transhumeral Suspension Kit - Child         |
| C18574      | 25mm (1") - Transhumeral Suspension Kit - Adult*        |
| 2 B10548    | Elbow Lock Strap for use with the automatic elbow p.152 |

\*B05515 25MM Steel Control Cable Connector Required when connecting the Espire Elbow Lock Cable.

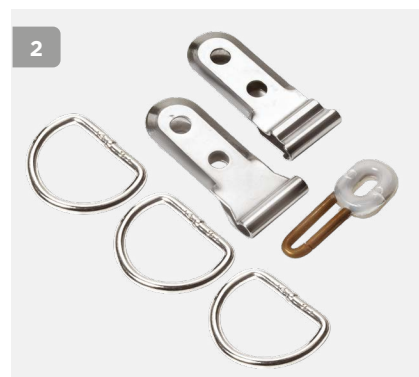
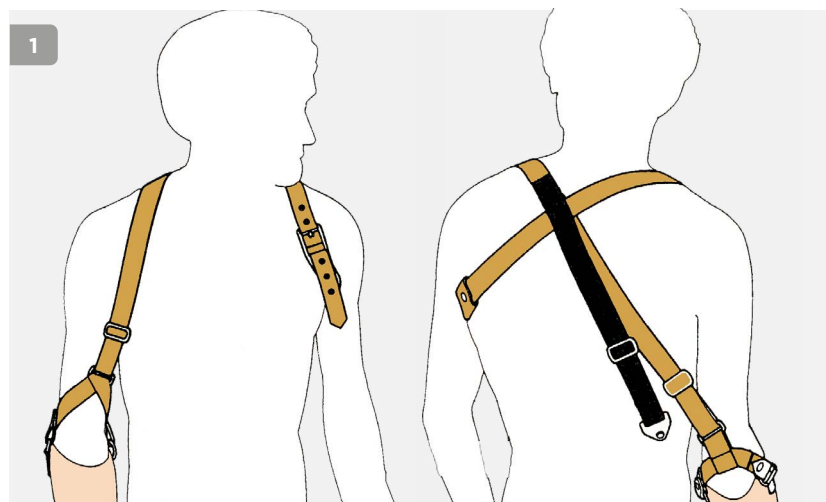
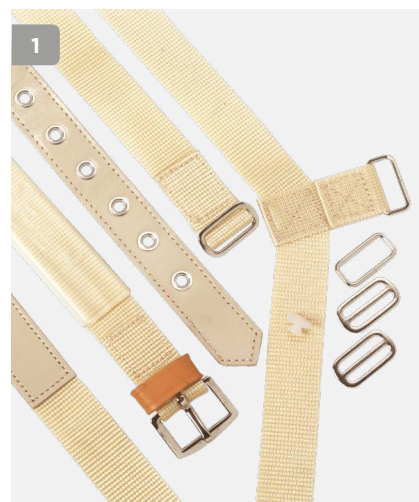
See page 172 for further details on adapters.

**Transhumeral Control Cables**



| Part Number | Description   | Suspension Link Size |
|-------------|---|----------------------|
| 3 C00307    | Steel Cable Kit - Adult, Heavy Duty Use                 | 25mm (1")            |
| 4 C18378    | Perlon Cable Kit - Child                                | 19mm (¾")            |
| C18377      | Perlon Cable Kit - Adult, Light Duty                    | 25mm (1")            |
| 5 C18376    | Nylon Cable Kit - Adult, General Use                    | 25mm (1")            |
| B11300      | Spare Nylon Control Cable                               | N/A                  |
| 6 B18527    | Spare Nylon Control Cable with Box Type S Hook attached | N/A                  |

**Transradial Suspension Kit**



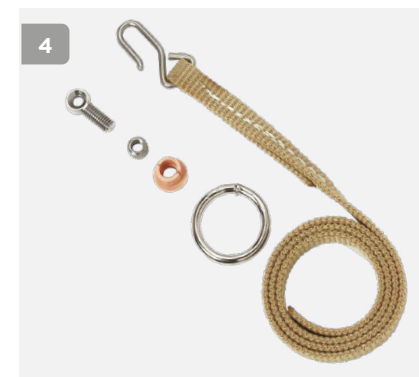
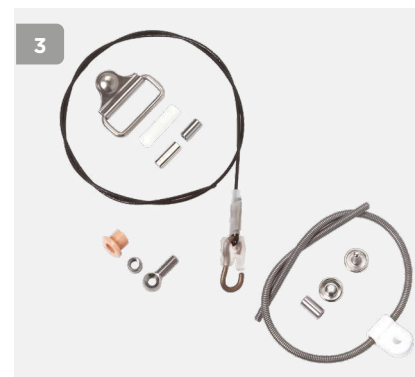
Supplied in peach nylon. Two-point socket attachment adjusted by a slide and buckle system for a comfortable fit.

**Note:** Control Cable Kit to be ordered separately. Control Cable Kit includes link to Suspension Kit.

19mm kits for use with Perlon operating system only.

| Part Number | Description   |
|-------------|---|
| 1           | C18577 19mm (¾") - Transradial Suspension Kit - Child<br>C18576 25mm (1") - Transradial Suspension Kit - Adult                                  |
| 2           | E19367 Chape Kit - Suitable for 19mm or 25mm Application - For attachment of Transradial Suspension Kit to the socket. Supplied without rivets. |

**Transradial Control Cables**



| Part Number | Description                                    | Suspension Link Size |
|-------------|--|----------------------|
| 3           | C00309 Steel Cable Kit - Adult, Heavy Duty Use | 25mm (1") Adult Kit  |
| 4           | C18379 Nylon Cable Kit - Adult, General Use    | 25mm (1") Adult Kit  |
| 5           | C18381 Perlon Cable Kit - Child                | 19mm (¾") Childs Kit |
|             | C18380 Perlon Cable Kit - Adult, Light Duty    | 25mm (1") Adult Kit  |

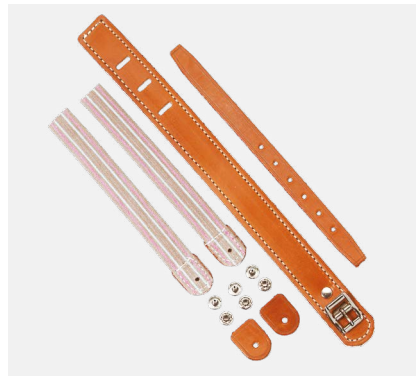


**P-Loop Operating Harness Kit**

For transradial and wrist disarticulation applications. A detachable harness to be used in conjunction with a Transradial Control Cable, supplied in peach nylon. Control Cable to be ordered separately.

| Part Number | Description           | Length        |
|-------------|-----------------------|---------------|
| E18625      | Child 19mm (¾") width | 400mm (15 ¾") |
| E18624      | Adult 25mm (1") width | 400mm (15 ¾") |





**Narrow Upper Arm Band with Side Suspension Straps**

Manufactured in bridle leather with soft leather lining. Linked to prosthesis with elasticated straps provided.

A traditional suspension type for transradial prosthesis.

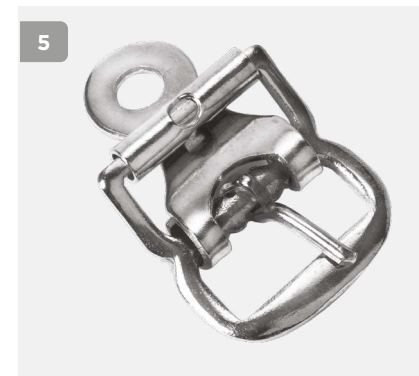
| Part Number | Description   | Width     |
|-------------|---|-----------|
| E18882      | Leather Upper Arm Band with Soft Leather Lining - Adult | 25mm (1") |



**Tab Ends**

| Part Number | Description   |
|-------------|---|
| 1 B11294    | Leather Tab End - 19mm (3/4") - Child                     |
| B11212      | Leather Tab End - 25mm (1") - Adult                       |
| 2 B11214    | Leather Tab End Shaped - Detachable - 19mm (3/4") - Child |
| B11213      | Leather Tab End Shaped - Detachable - 25mm (1") - Adult   |

**Buckles and Brace Clips**



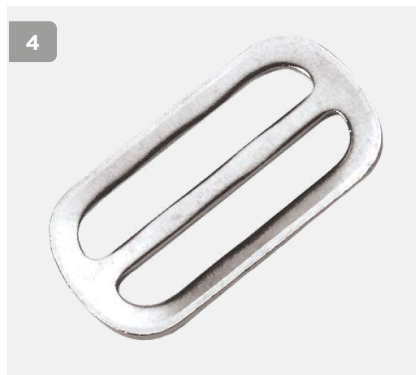
| Part Number | Description                       | Supplied   |
|-------------|-----------------------------------|------------|
| 3 NFT0079   | 19mm (3/4") Buckle                | Each       |
| NFT0080     | 25mm (1") Buckle                  | Pack of 10 |
| 4 NFT0505   | Brace Clip and 19mm (3/4") Loop   | Pack of 10 |
| NFT0515     | Brace Clip 19mm (3/4")            | Each       |
| 5 NFT0503   | 10mm (3/8") Buckle and Attachment | Pack of 10 |

**Cable Routing Accessories**



| Part Number | Description                          | Supplied     |
|-------------|--------------------------------------|--------------|
| 6 B05337    | Pulley for Perlon                    | Each         |
| 7 B05345    | Pulley for Nylon Cord                | Each         |
| 8 C00353    | Swivel Guide for Steel               | Each         |
| 9 B10514    | Double Roller Flexion Lever - Perlon | Each         |
| 10 B10508   | Single Roller Flexion Lever - Nylon  | Each         |
| 11 NHD0036  | Conduit for Cable - For 1.5mm Cable  | Feet         |
| NHD50456    | Conduit for Cable - For 2mm Cable    | 25 Feet Roll |
| 12 A00806   | Conduit End Cap                      | Each         |

**Harness Ring, Loops and Slides**



| Part Number | Description | Supplied                            |            |
|-------------|-------------|-------------------------------------|------------|
| 1           | NFT0660     | 45mm (1 3/4") Diameter Harness Ring | Each       |
|             | NFT0661     | 54mm (2 1/8") Diameter Harness Ring | Each       |
|             | NHD51601    | 62mm (2 3/8") Diameter Harness Ring | Each       |
|             | NFT0083     | 10mm (3/8") Plated Ring             | Each       |
| 2           | NFT0087     | 19mm (3/4") Plated Loop             | Pack of 10 |
|             | NFT0070     | 25mm (1") Plated Loop               | Pack of 10 |
| 3           | NFT0081     | 25mm (1") Plated D shaped Loop      | Each       |
| 4           | NFT0088     | 19mm (3/4") Slide                   | Each       |
|             | NFT0089     | 25mm (1") Slide                     | Pack of 10 |



**Elasticated Corset**

A beige, two-way stretch fabric suitable for suspending transradial cosmetic prosthesis. Corset may be stitched or glued to prosthesis.

| Part Number | Description | Circumference  | Supplied |
|-------------|-------------|----------------|----------|
| C11278      | Child       | 127mm (5")     | Each     |
| C11279      | Child       | 140mm (5 1/2") | Each     |
| C11280      | Child       | 152mm (6")     | Each     |
| C11281      | Adult       | 178mm (7")     | Each     |
| C11282      | Adult       | 203mm (8")     | Each     |
| C11283      | Adult       | 229mm (9")     | Each     |

**Axilla Pad**



| Part Number | Description | Supplied   |      |
|-------------|-------------|--|------|
| 5           | B00842      | PVC - 19mm Child                                     | Each |
|             | C00242      | PVC - 25mm Adult                                     | Each |
| 6           | A00882      | Collar Stem  | Each |
| 7           | NFM0030     | Tubifoam - 15mm (5/8") (for 19mm (3/4") strap) Child | Each |
|             | NFM0031     | Tubifoam - 21mm (3/4") (for 25mm (1") strap) Adult   | Each |



**Arm Donning Sleeve**

| Part Number | Size   | Distal Circumference | Proximal Circumference | Length          | Supplied |
|-------------|--------|----------------------|------------------------|-----------------|----------|
| NGC006S     | Small  | 240mm (9 1/2")       | 270mm (10 5/8")        | 260mm (10 1/4") | Each     |
| NGC006M     | Medium | 280mm (11")          | 340mm (13 3/8")        | 340mm (13 3/8") | Each     |

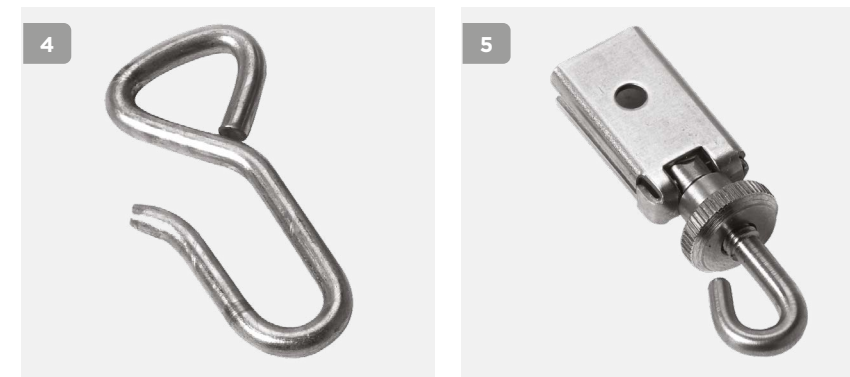


**Cables**



| Part Number | Description | Length of Cable                                     | Supplied       |         |
|-------------|-------------|---|----------------|---------|
| <b>1</b>    | NCO0001     | Perlon Cable  | 1.2mm diameter | 1 Metre |
|             | NCO0002     | Perlon Cable  | 1.5mm diameter | 1 Metre |
|             | NCO0003     | Perlon Cable  | 2mm diameter   | 1 Metre |
| <b>1a</b>   | B18502      | Perlon Cable with Child Captive S Hook fitted       | 1.2mm          | Each    |
|             | B18500      | Perlon Cable with Adult Captive S Hook fitted       | 1.2mm          | Each    |
|             | B19360      | Perlon Cable with Adult Captive S Hook fitted       | 2mm            | Each    |
| <b>2</b>    | NCO0023     | Steel Cable, Nylon Coated                           | 1.6mm          | 1 Metre |
| <b>2a</b>   | B01415      | Steel Cable, Nylon Coated with Adult Captive S Hook | 1.6mm          | Each    |
| <b>3</b>    | B07780      | Cable Anchor  |                | Each    |
| <b>4</b>    | B05626      | Ferrule   | 1.5mm          | Each    |
|             | B07785      | Ferrule   | 2mm            | Each    |
|             | NPV2031     | Shrink Tube to Cover Ferrule                        |                | 1 Metre |

**Distal Connectors to Nylon Cable**



| Part Number | Description | Supplied          |      |
|-------------|-------------|-------------------|------|
| <b>4</b>    | B11471      | S Nylon Hook      | Each |
| <b>5</b>    | B05331      | Swivel Hook - Box | Each |

**Distal Connectors to Perlon/Steel Cable**



| Part Number | Description | Supplied              |      |
|-------------|-------------|-----------------------|------|
| <b>6</b>    | B06564      | Captive S Hook, Child | Each |
|             | B06631      | Captive S Hook, Adult | Each |
| <b>7</b>    | B11469      | S Hook                | Each |
| <b>8</b>    | B05372      | Swivel Hook - Round   | Each |

**Proximal Connector to Nylon Cable**



| Part Number | Description                            | Supplied   |
|-------------|--|------------|
| NFT0086     | Plated Solid Ring 19mm (3/4") diameter | Pack of 10 |



**Proximal Connectors to Perlon Cable**

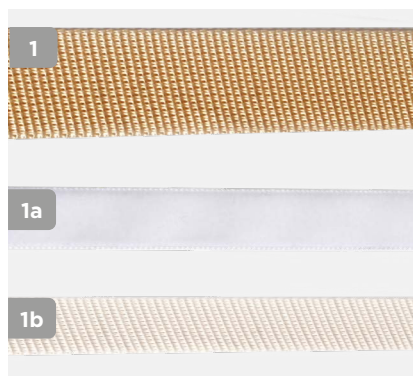
| Part Number | Description                        | Supplied |
|-------------|------------------------------------|----------|
| B05861      | 19mm (¾") Connector Child - Perlon | Each     |
| B05529      | 25mm (1") Connector Adult - Perlon | Each     |



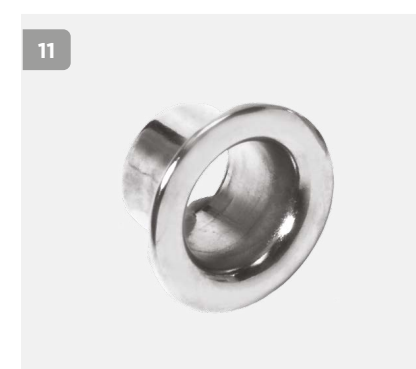
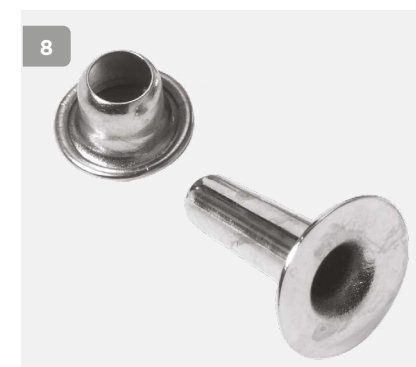
**Proximal Connectors to Steel Cable**

| Part Number | Description                             | Supplied |
|-------------|---|----------|
| B05515      | 25mm (1") Steel Control Cable Connector | Each     |

**Webbing**



| Part Number | Description   | Supplied            |
|-------------|---|---------------------|
| 1           | NWE0043 19mm (¾") Peach Nylon Webbing                   | 25 Metre Roll (82') |
|             | NWE0044 25mm (1") Peach Nylon Webbing                   | 25 Metre Roll (82') |
| 1a          | NWE0011 16mm (5/8") White Soft Webbing                  | 10 Metre Roll (32') |
| 1b          | NWE0012 19mm (¾") White Webbing - Cushion               | 10 Metre Roll (32') |
| 2           | NWE0027 9mm (3/8") Beige Nylon Webbing - Operating Cord | 10 Metre Roll (32') |
| 2a          | NRT0115 Brass Eyelet for Webbing                        | Each                |



| Part Number | Description   | Material        | Supplied   |
|-------------|---|-----------------|------------|
| 4           | NRT0035 Pop Rivets - 5/16" x 1/8"                             | Monel           | Each       |
|             | NRT0036 Pop Rivets - 3/8" x 1/8"                              | Monel           | Each       |
|             | NRT0037 Pop Rivets - 7/16" x 1/8"                             | Monel           | Each       |
|             | NRT0008 Pop Rivets - 6 x 3.2 mm                               | Monel           | Each       |
| 5           | NRT0031 Rivets - 1/4" x 1/8"                                  | Stainless Steel | Pack of 10 |
|             | NRT0064 Rivets - 5/16" x 1/8"                                 | Stainless Steel | Each       |
| 6           | WST7158 Doming Tool for NRT0031 Rivet                         | Nickel Plated   | Each       |
| 7           | NRT0032 Plated Tubular Rivets with Cap - 8mm                  | Nickel Plated   | Each       |
|             | NRT0033 Plated Tubular Rivets with Cap - 9mm                  | Nickel Plated   | Each       |
|             | NRT0034 Plated Tubular Rivets with Cap - 10mm                 | Nickel Plated   | Each       |
|             | NRT0045 Plated Tubular Rivets with Cap - 11mm (7/16")         | Nickel Plated   | Each       |
|             | NRT0133 Large Rivet Cap for use with NRT0034 and NRT0045 Stem |                 | Each       |
| 8           | NRT0056 Daude Double Tubular Rivet and Cap, No. 8             |                 | Each       |
| 9           | NRT0116 Daude Stem Rivet - Male                               |                 | Each       |
| 10          | NRT0117 Daude Stem Cap  |                 | Each       |
| 11          | NRT0118 Daude Stem Collar                                     |                 | Each       |
|             | NRT0003 Rivet - 1/8" x 1/4"                                   | Stainless Steel | Each       |



To satisfy your upper limb prosthetic workshop requirements, we provide a wide range of quality products, from lamination supplies to hand tools.



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- Modular Arm Systems
- Wrist Units
- Mech. Elbow Units & Joints
- Suspension & Control Systems
- Materials & Tools

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**Stockinette Crimp**

White, 100% polyester, highly elastic. Used to create a fine finish on outer layer of laminated socket.

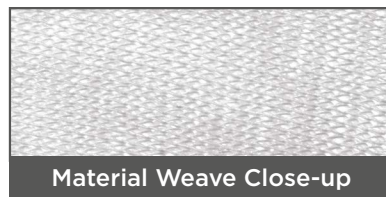


| Part Number | Description        | Supplied               |
|-------------|--------------------|------------------------|
| NTT0021     | 50mm (2") Wide     | Roll - 50 Metre (164') |
| NTT0011     | 64mm (2 1/2") Wide | Roll - 50 Metre (164') |
| NTT0009     | 76mm (3") Wide     | Roll - 50 Metre (164') |
| NTT0012     | 100mm (4") Wide    | Roll - 50 Metre (164') |
| NTT0013     | 228mm (9") Wide    | Roll - 50 Metre (164') |



**Stockinette Washed**

White, 100% polyester, highly elastic. Used as body of lamination layers.



| Part Number | Description      | Supplied               |
|-------------|------------------|------------------------|
| NTT0017     | 50mm (2") Wide   | Roll - 50 Metre (164') |
| NTT0018     | 76mm (3") Wide   | Roll - 50 Metre (164') |
| NTT0019     | 100mm (4") Wide  | Roll - 50 Metre (164') |
| NTT0020     | 305mm (12") Wide | Roll - 50 Metre (164') |



**Tubigrip Elasticated Bandage**

Natural colour, provides continuous, even pressure. Contains natural rubber latex.

| Part Number | Description | Supplied              |
|-------------|-------------|-----------------------|
| NTT0027     | Size L      | Roll - 10 Metre (32') |



**Nylon Sockette**

For use in the manufacture of laminated cup sockets or as a residual limb sock.

| Part Number | Description                 | Supplied   |
|-------------|-----------------------------|------------|
| NTT0022     | 18cm x 13cm (7" x 5")       | Pack of 20 |
| NTT0023     | 18cm x 15cm (7" x 6")       | Pack of 20 |
| NTT0014     | 18cm x 16.5cm (7" x 6 1/2") | Pack of 20 |
| NTT0039     | 19cm x 5cm (7 1/2" x 2")    | Pack of 20 |
| NTT0040     | 25cm x 7.5cm (10" x 3")     | Pack of 20 |
| NTT0041     | 35.5cm x 9cm (14" x 3 1/2") | Pack of 20 |
| NTT0015     | 38cm x 15cm (15" x 6")      | Pack of 20 |



**Disposable Cup**

| Part Number | Description                 | Supplied |
|-------------|-----------------------------|----------|
| NCE0001     | Small - 266ml (9 fluid oz)  | Each     |
| NCE0003     | Large - 710ml (24 fluid oz) | Each     |



**Wooden Mixing Spatula**

| Part Number | Description     | Supplied    |
|-------------|-----------------|-------------|
| NCE0004     | Mixing Spatulas | Pack of 100 |

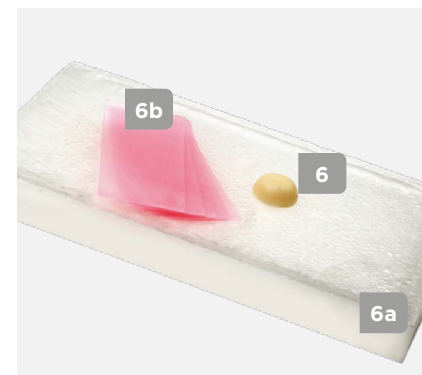


**Polyester Resin and Associated Supplies**

- For laminating polyester sockets
- A typical flexible plastic cup socket consists of 60% flexible resin, 40% rigid



| Part Number | Description                       | Supplied                  |
|-------------|-----------------------------------|---------------------------|
| 1           | NRN0002 Polyester Flexible        | 2.5kg (5½ lb) Can         |
|             | NRN0003 Polyester Rigid Resin     | 5kg (11lb) Can            |
| 2           | NRN0006 Accelerator               | 500g (1lb) Bottle         |
| 3           | NRN0007 Catalyst Lucidol          | 500g (1lb) Bottle         |
| 4           | NPM0005 Pigment - Pale Pink       | 500g (1lb) Bottle         |
|             | NPM0001 Pigment - Tan             | 500g (1lb) Bottle         |
|             | NPM0003 Pigment - Mid Brown       | 500g (1lb) Bottle         |
|             | NPM0002 Pigment - Dark Brown      | 500g (1lb) Bottle         |
|             | NPM0004 Pigment - Super White     | 500g (1lb) Bottle         |
| 5           | NRA0017 Brushable Parting Lacquer | 1 Litre (35 fluid oz) Can |



**Wax**

| Part Number | Description                  | Supplied           |
|-------------|------------------------------|--------------------|
| 6           | NWA0001 Beeswax              | 500g (1lb)         |
| 6a          | NWA0004 Paraffin Wax 54 / 56 | 5kg (11lb)         |
| 6b          | NWA0007 No 3. Modelling Wax  | 2.5kg (5½ lb) Pack |



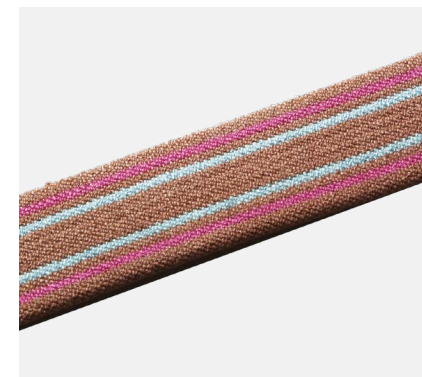
**PVA Film**

| Part Number | Description     | Supplied            |
|-------------|-----------------|---------------------|
| NRA0011     | PVA Film .003   | 25 Metre Roll (82') |
| SB11785     | PVA Welding Jig | Each                |



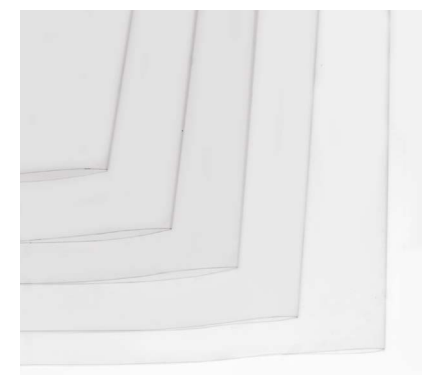
**Adhesive**

| Part Number | Description | Supplied   |
|-------------|-------------|------------|
| NAD0045     | Epoxy Resin | 32g (1 oz) |



**Elastic**

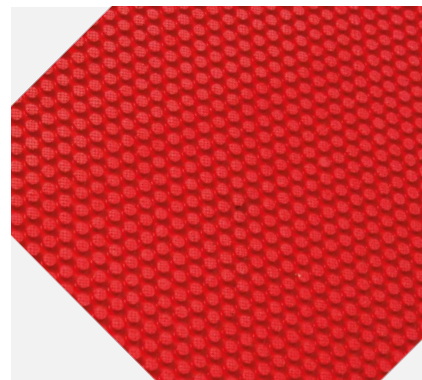
| Part Number | Description                | Supplied  |
|-------------|----------------------------|-----------|
| NEL0002     | 25mm (1") Coloured Striped | Per Metre |



**Clear Polythene Bag**

Peal and seal Polythene bags.

| Part Number | Size and Volume                           | Supplied   |
|-------------|---|------------|
| NPK0002     | 165mm (6½") x 323mm (12¾") x 500g (17½oz) | Pack of 50 |
| NPK0003     | 200mm (8") x 610mm (24") x 500g (17½oz)   | Pack of 50 |
| NPK0004     | 200mm (8") x 915mm (36") x 500g (17½oz)   | Pack of 50 |
| NPK0005     | 381mm (15") x 915mm (36") x 500g (17½oz)  | Pack of 50 |



**Bramble Rubber**

| Part Number | Description            | Supplied                      |
|-------------|------------------------|-------------------------------|
| NRB0002     | Pimpled Rubber - Red   | 127mm (5") x 178mm (7") Sheet |
| NRB0066     | Pimpled Rubber - Black | 127mm (5") x 178mm (7") Sheet |



**Leather**

| Part Number | Description | Supplied |
|-------------|-------------|----------|
| 1 NLT0003   | Chamois     | Per Skin |
| 1a NLT0010  | Brace Calf  | Per Skin |
| 1b NLT0015  | Beige Calf  | Per Skin |



**Zip**

| Part Number | Description            | Supplied |
|-------------|------------------------|----------|
| NZP0001     | 4" Beige Medium Weight | Each     |
| NZP0002     | 5" Beige Medium Weight | Each     |
| NZP0009     | 6" Beige Medium Weight | Each     |
| NZP0006     | 7" Beige Medium Weight | Each     |
| NZP0005     | 8" Beige Medium Weight | Each     |



**Hand Tools**

| Part Number | Description                 | Supplied |
|-------------|-----------------------------|----------|
| 2 NHT0004   | Clicker Knife Handle        | Each     |
| 3 NHT0005   | Clicker Knife Blades Curved | Each     |



|   | Description                        | Page   | Part Number   |
|---|------------------------------------|--------|---|
| A | AC Myoelectrodes                   | 46     | CP-TLE  |
|   | Adapter Plate - Domed              | 138    | B00965, B00966  |
|   | Adapter Plate - Flat               | 138    | B00900, B00967, B06568, B22264                                    |
|   | Adhesive                           | 179    | NAD0045   |
|   | Adult Manual Elbow                 | 153    | B10612#   |
|   | Arm Donning Sleeve                 | 169    | NGC006M, NGC006S  |
|   | Automatic Elbow                    | 152    | B11185#, C07286#, C07375#   |
|   | Automatic Elbow Spare Parts        | 154    |   |
|   | Automatic Lock Joints              | 156    | B01197, C12623, C12693  |
|   | Axilla Pad                         | 169    | A00882, B00842, C00242, NFM0030, NFM0031                          |
| B | Axis Shoulder                      | 158    | NSJ90-BK, NSJ100-BK, NSJ92-BK                                     |
|   | Axis Shoulder Additional Parts     | 159    |   |
|   | Ball and Clamp                     | 81     | SP118   |
|   | Battery Charger                    | 53, 54 | BBCBI, LPDC01   |
|   | Battery Receptacles                | 54     | BHA72, BHQDA72  |
|   | Body-Powered Gripper               | 73     | D1137-, E1799-  |
|   | Brace Clips                        | 166    | NFT0505, NFT0515  |
|   | Bramble Rubber                     | 180    | NRB0002, NRB0066  |
|   | Buckles                            | 164    | NFT0079, NFT0080, NFT0503   |
|   | Button Screws                      | 155    | A00564, A00891, B05116, B10841                                    |
| C | C Hook                             | 75     | B00551, B00770  |
|   | Cable Anchor                       | 170    | B07780  |
|   | Cable Ferrule                      | 170    | B05626, B07785, NPV2031   |
|   | Cable Routing Accessories          | 167    | A00806, B05337, B05345, B10508, B10514, C00353, NHD0036, NHD50456 |
|   | Cam Return Spring                  | 154    | SP800   |
|   | Captive S Hook                     | 169    | B06564, B06631  |
|   | Cable Operated Hand                | 58-59  | MHA675/725/775/825***   |
|   | Cable Operated Hand - Cable Outer  | 62     | B25140  |
|   | Catch Blade Spring                 | 139    | B00746  |
|   | Child's 2-Knob Wrist               | 140    | B05142, B05143, NSC0375   |
| D | Child's 2-Knob Wrist Hand Plate    | 140    | B07029, B07030  |
|   | Child's 2-Knob Wrist Adapter Plate | 140    | B00821, B00897, B00905  |
|   | Child Cable Operated Hand          | 65     | B0836-, C0733-, C0793-  |
|   | Child Friction Elbow               | 153    | C10826, C10828  |
|   | Child Spring Hand                  | 66     | SP592-, SP589-  |
|   | Circlip                            | 154    | NCR0003, NCR0012  |
|   | Clicker Knife                      | 176    | NHT000-   |
|   | Coaxial Plug                       | 28     | QDACO   |
|   | Configuration Device               | 24     | MYO-CFG   |
|   | Connection tube                    | 128    | B22753  |
| E | Connector Block Cable              | 49     | CBBHA72   |
|   | Conversion Sleeve                  | 79     | B06005, B21871, B23372  |
|   | Cosmetic Gloves                    | 88-110 |   |
|   | Cosmetic Gloves Order Form         | 111    |   |
|   | Cosmetic Hands                     | 88-110 | B110--, FHL-, FHEX--, B211---                                     |
|   | Coupling Piece                     | 28     | QDACP   |
|   | Cue Rest                           | 78     | B07318  |
|   | Custom Silicone Gloves             | 125    |   |

|   | Description                                       | Page           | Part Number                        |
|---|---|----------------|------------------------------------|
| D | Disposable Cup                                    | 177            | NCE0001, NCE0003                   |
|   | Distal Connectors to Nylon Cable                  | 171            | B05331, B11471                     |
|   | Distal Connectors to Perlon/Steel Cable           | 171            | B05372, B06564, B06631, B11469     |
|   | Driving Cup                                       | 82             | B00447, B05718                     |
|   | Driving Cup on Stem                               | 82             | B00451                             |
|   | Elastic   | 179            | NEL0002                            |
|   | Elasticated Corset                                | 168            | C1127-, C1128-                     |
|   | Elbow Dome  | 154            | B05885#, E20517#, E20518#, E20544# |
|   | Elbow Guard                                       | 132            | B05036                             |
|   | Elbow Unit  | 128            | C22750                             |
| E | Electrodes  | 48             | ELEC50, ELEC60                     |
|   | Electrode Cables                                  | 49             | ECA-300, ECA-600, ECA-1000         |
|   | Electrode Cable Retaining Plug                    | 49             | B30819                             |
|   | Electrode Forming Kit                             | 49             | ELECS                              |
|   | Electrode Suspension legs                         | 49             | B31058                             |
|   | Elegance Gloves                                   | 116-117        |                                    |
|   | Elegance Plus Gloves                              | 114-115        |                                    |
|   | Enhanced Steeplon Hand                            | 123            | C2204--                            |
|   | Esire Bump Switch                                 | 46             | EE-BS                              |
|   | Esire DC Cased Electrode Cable                    | 49             | EE-CP-DC                           |
| F | Esire Elbow                                       | 33,35, 37, 149 | EEP---, EEH---, EEC---, EEC---     |
|   | Esire Elbow Batteries                             | 44             | EE-BAT                             |
|   | Esire Elbow - Battery Charger                     | 44             | EE-CH-1--, EE-CH-2--, EE-CCH--     |
|   | Esire Elbow - Battery Door                        | 44             | EEH-BD-, EECB-BD-                  |
|   | Esire Elbow - Lamination Kit                      | 45, 151        | EE-CS, EE-LCO-EE-LCP, EE-LD, EE-LK |
|   | Extended Wires Foam Hand                          | 89-110         |                                    |
|   | Extension Bar                                     | 79             | B00445, B00446                     |
|   | Extension Female Adapter                          | 129            | B22762                             |
|   | External Joints                                   | 156-157        |                                    |
|   | Female Tube Adapter                               | 110            | B22513, B23370, B22766             |
| G | Finger Assembly (Cable and Spring Operated Hands) | 64             | B305--, B263--                     |
|   | Finger Palp Kit (Cable and Spring Operated Hands) | 64             | E263--                             |
|   | Finger Palp Kit (Myo Kinisi)                      | 25             | KINPALP-KIT                        |
|   | Fishing Rod Holder                                | 78             | B05882                             |
|   | Fitting Screw (Steeplon Hand)                     | 123            | NSC6011                            |
|   | Fixed Wrist Connector - Oval                      | 145            | B06252, B06255, B06256             |
|   | Fixed Wrist Former - Oval                         | 145            | B06986, B06985, B06984             |
|   | Fixed Wrist Connector - Round                     | 144            | B05439, B05440, B05441, B05963     |
|   | Fixed Wrist Former - Round                        | 144            | SB12136/-                          |
|   | Flexion Bar                                       | 132            | B22843, NSC0027                    |
| H | Foam Hand   | 89-110         |                                    |
|   | Forearm Cable Lift Kit                            | 45, 151        | EE-FCL-E, EE-FCL-S                 |
|   | Free Flexion Ball Insert                          | 130            | B22503, B2276-                     |
|   | Free Swing Joints                                 | 157            | B07990, B10168                     |

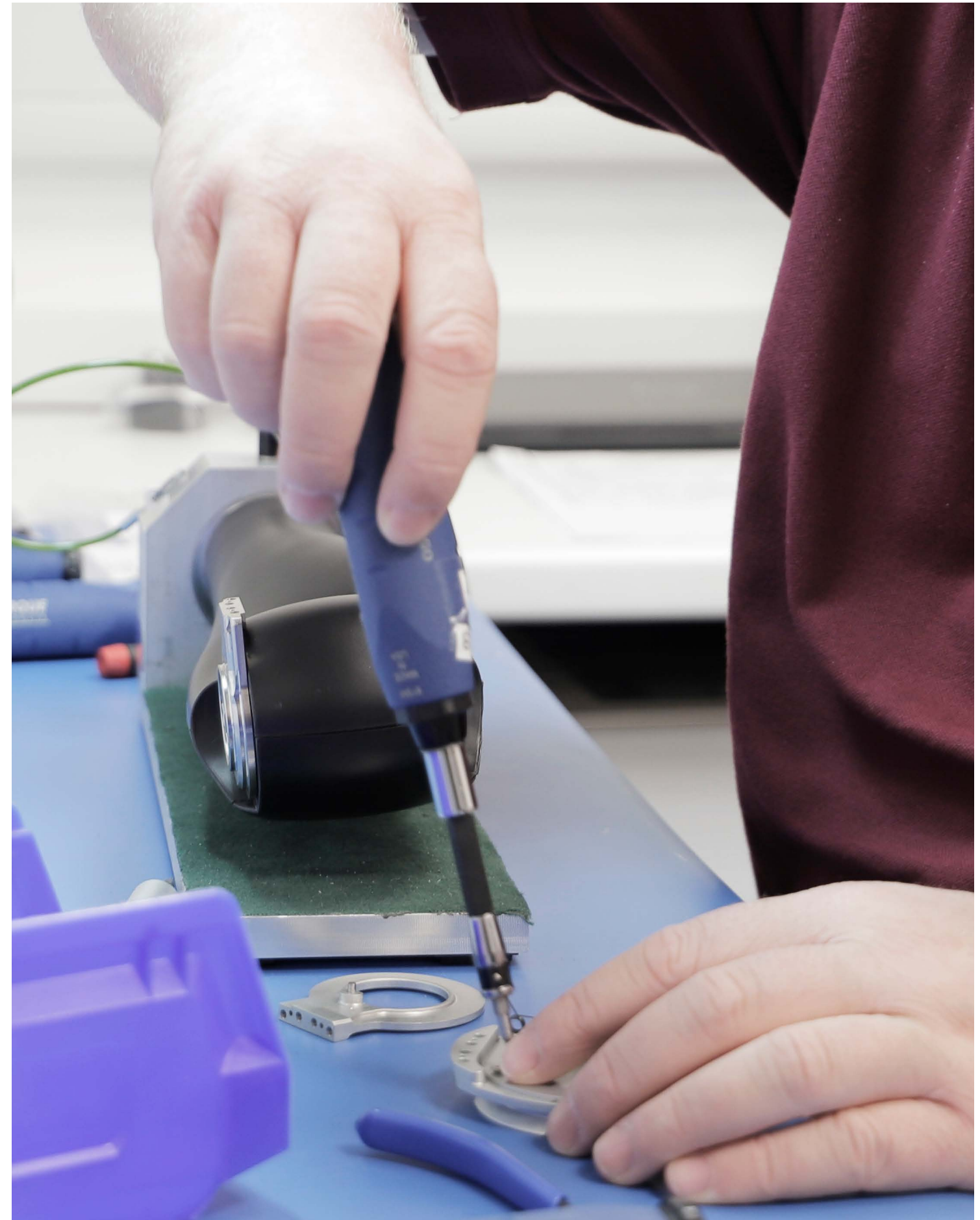
|   | Description  | Page           | Part Number  |
|---|--|----------------|--|
| F | Friction Control Joints                            | 157            | B05774, B05775, B11263, B11264                               |
|   | Friction Housing                                   | 143            | NHD551--   |
|   | Friction Ring                                      | 141            | B12815, B12821, B12852, C18132                               |
|   | Friction Wrist                                     | 141            | C12810, C12824, C12848, C19011                               |
|   | Friction Wrist Adapter                             | 142            | B17950, B17951   |
|   | Friction Wrist Adapter Plate                       | 142            | B1816-, B1817-, B22959                                       |
|   | Friction Wrist Hand Connection Plates              | 143            | B1281-, B18165, B18215, KFW045, KFW050, KFW054               |
|   | Functional Devices                                 | 70-83          |  |
|   | Gloves, Cosmetic                                   | 88-110         |  |
|   | Gloves, Leather                                    | 123            | N5-170-***   |
| G | Hand Plates  | 131            | B2275-, B06257, (B06942, B06257, B07786, B22768 (p.125 only) |
|   | Hand Shell - Cable and Spring hands                | 61             | IHA675/725/775/825**   |
|   | Hand Shell - Myo Kinisi                            | 25             | IHKIN-****   |
|   | Hand Shell Retention Ring - Cable and Spring Hands | 61             | B25321, B25322, B25323                                       |
|   | Hand Shell Retention Ring - Myo Kinisi             | 25             | B33815, B33816, B33817                                       |
|   | Harness Ring                                       | 166            | NFT0660, NFT0661, NHD51601                                   |
|   | Heavy Duty Wrist Unit                              | 136            | B01155, SPI36, SP249   |
|   | High-Definition Silicone                           | 125            |  |
|   | Infant Foam Filled Cosmetic Gloves                 | 131            | AH45/--  |
|   | Inner Foam Cosmesis                                | 131            | C11151, C11152   |
| H | Jaw Covers (Small Split Hook)                      | 72             | B19464, B19572   |
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