



## Myoelectric Hands and Components

Our range of myoelectric hands and components offer durability, reliability and quality design features. The range includes the newest product to the range, the S-Charge - an easy to control and operate charging device, along with compatible electrodes, batteries, cables, connectors and multiple wrist options.

# Myo Select

The Select range of myoelectric hands are electrically operated devices designed to meet the needs of most upper limb amputees. This range offers durability, reliability and quality design features. With a powerful mechanism, a grip force output suitable for most routine daily tasks is provided to the user.

With on-board microprocessor technology, our myoelectric hands offer maximum flexibility. Innovative, built-in electronics provide a choice of nine control modes for the hand, selected using the dial switch feature. The on-board system also includes an electronic 'gear change' allowing power to be stored and released on demand.

## Features and Benefits

- Controlled with myoelectrodes or switch inputs
- Supercapacitor technology (sies 71/4-81/4) provides efficient control and power conservation
- Nine control modules
- Electronic 'gear change'
- 4 wrist options available

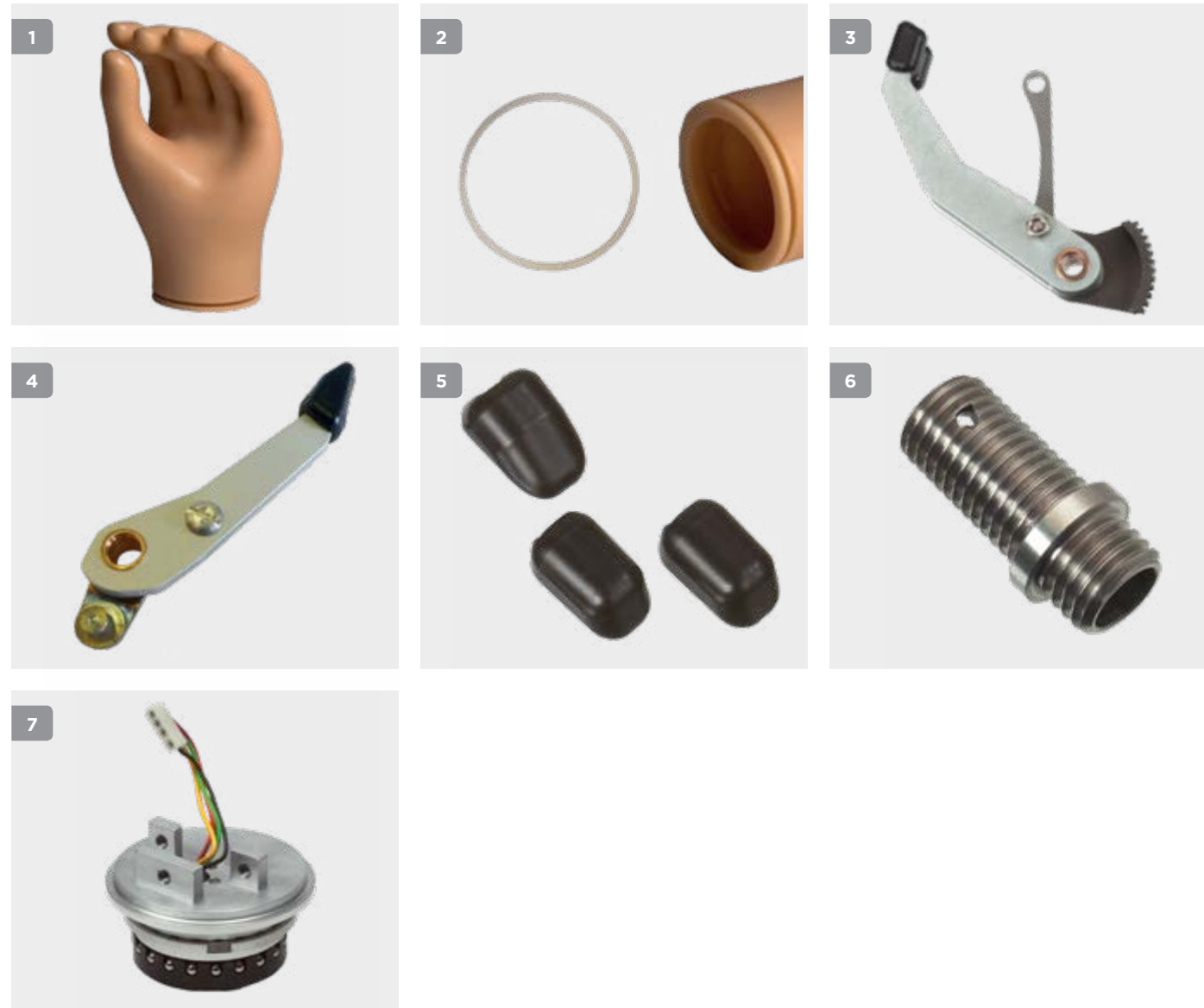


Myoelectric Hand - Quick Disconnect Wrist							
Part Number	Size	Left/Right	Description	Wrist Unit Option	Male Glove Number	Female Glove Number	
1 MYA675LQD	6 3/4	Left	Child (8-12 yrs)	40mm (1 1/2")	310	310	
MYA675RQD	6 3/4	Right	Child (8-12 yrs)	40mm (1 1/2")	311	311	
MYA725LQD	7 1/4	Left	Adolescent/Adult	45mm (1 3/4")	306	304	
MYA725RQD	7 1/4	Right	Adolescent/Adult	45mm (1 3/4")	307	305	
MYA775LQD	7 3/4	Left	Adult	50mm (2")	302	312	
MYA775RQD	7 3/4	Right	Adult	50mm (2")	303	313	
MYA825LQD	8 1/4	Left	Adult	54mm (2 1/8")	300	n/a	
MYA825RQD	8 1/4	Right	Adult	54mm (2 1/8")	301	n/a	

Myoelectric Hand - Friction Wrist							
Part Number	Size	Left/Right	Description	Wrist Unit Option	Male Glove Number	Female Glove Number	
2 MYA675LFW	6 3/4	Left	Child (8-12 yrs)	45mm (1 3/4")	310	310	
MYA675RFW	6 3/4	Right	Child (8-12 yrs)	45mm (1 3/4")	311	311	
MYA725LFW	7 1/4	Left	Adolescent/Adult	50mm (2")	306	304	
MYA725RFW	7 1/4	Right	Adolescent/Adult	50mm (2")	307	305	
MYA775LFW	7 3/4	Left	Adult	54mm (2 1/8")	302	312	
MYA775RFW	7 3/4	Right	Adult	54mm (2 1/8")	303	313	
MYA825LFW	8 1/4	Left	Adult	54mm (2 1/8")	300	n/a	
MYA825RFW	8 1/4	Right	Adult	54mm (2 1/8")	301	n/a	

Myoelectric Hand - North American Thread (1/2 x 20 TPI)							
Part Number	Size	Left/Right	Description	Wrist Unit Option	Male Glove Number	Female Glove Number	
3 MYA675LNA	6 3/4	Left	Child (8-12 yrs)	40mm (1 1/2")	310	310	
MYA675RNA	6 3/4	Right	Child (8-12 yrs)	40mm (1 1/2")	311	311	
MYA725LNA	7 1/4	Left	Adolescent/Adult	45mm (1 3/4")	306	304	
MYA725RNA	7 1/4	Right	Adolescent/Adult	45mm (1 3/4")	307	305	
MYA775LNA	7 3/4	Left	Adult	50mm (2")	302	312	
MYA775RNA	7 3/4	Right	Adult	50mm (2")	303	313	
MYA825LNA	8 1/4	Left	Adult	54mm (2 1/8")	300	n/a	
MYA825RNA	8 1/4	Right	Adult	54mm (2 1/8")	301	n/a	

Myoelectric Hand - European Thread (M12 x 1.5mm)							
Part Number	Size	Left/Right	Description	Wrist Unit Option	Male Glove Number	Female Glove Number	
4 MYA675LEU	6 3/4	Left	Child (8-12 yrs)	40mm (1 1/2")	310	310	
MYA675REU	6 3/4	Right	Child (8-12 yrs)	40mm (1 1/2")	311	311	
MYA725LEU	7 1/4	Left	Adolescent/Adult	45mm (1 3/4")	306	304	
MYA725REU	7 1/4	Right	Adolescent/Adult	45mm (1 3/4")	307	305	
MYA775LEU	7 3/4	Left	Adult	50mm (2")	302	312	
MYA775REU	7 3/4	Right	Adult	50mm (2")	303	313	
MYA825LEU	8 1/4	Left	Adult	54mm (2 1/8")	300	n/a	
MYA825REU	8 1/4	Right	Adult	54mm (2 1/8")	301	n/a	



Technical Information : Myoelectric Hand With Quick Disconnect Wrist						
(Performance figures have been measured with a fitted hand shell)						
Size	Speed	Grip Strength	Max Opening	Weight with Inner Glove	Length (Base Hand Shell to Thumb Tip)	Operating Voltage
6 ¾	1.5 seconds	40N (9.5lbf)	65mm (2 ½")	320g (11oz)	116mm (4 ½")	7.2V DC
7 ¼	0.8 seconds	80N (19lbf)	100mm (4")	470g (1lb)	140mm (5 ½")	7.2V DC
7 ¾	0.8 seconds	80N (19lbf)	100mm (4")	510g (1lb 2oz)	143mm (5 ⅝")	7.2V DC
8 ¼	0.8 seconds	80N (19lbf)	100mm (4")	520g (1lb 2oz)	147mm (5 ¾")	7.2V DC

Inner Hand Shell (Including Retention Ring)			
Part Number	Size	Left / Right	
1 IHA675L	6 ¾	Left	
IHA675R	6 ¾	Right	
IHA725L	7 ¼	Left	
IHA725R	7 ¼	Right	
IHA775L	7 ¾	Left	
IHA775R	7 ¾	Right	
IHA825L	8 ¼	Left	
IHA825R	8 ¼	Right	

Inner Hand Shell Retention Ring				
Part Number	Size	Left / Right	Diameter	Description
2 B25330	6 ¾	Left or Right	46mm (1 ⅞")	For EQD Hands
B25320	6 ¾	Left or Right	46mm (1 ⅞")	For Friction Wrist Hands
B25321	7 ¼	Left or Right	49mm (2")	For Friction Wrist Hands
B25322	8 ¼	Left or Right	58mm (2 ¼")	For Friction Wrist Hands

Finger Assembly (Index and Middle Finger) and Thumb Assembly				
Part Number Finger Assembly	Part Number Thumb Assembly	Size	Left / Right	
3 B25363	4 B25369	6 ¾	Left	
B25366	B25372	6 ¾	Right	
B25364	B25370	7 ¼, 7 ¾	Left	
B25367	B25373	7 ¼, 7 ¾	Right	
B25365	B25371	8 ¼	Left	
B25368	B25374	8 ¼	Right	

Finger Palp Kit (2 x Finger, 1 x Thumb)		
Part Number	Size	Left / Right
5 E26325	6 ¾	Left or Right
E26326	7 ¼, 7 ¾	Left or Right
E26327	8 ¼	Left or Right

Threaded Insert	
Part Number	Description
6 B26430	Threaded Stem. M12 x 1.5mm - M12 x 1.5mm
B26431	Threaded Stem. M12 x 1.5mm - ½" x 20 TPI

Male Quick Disconnect Wrist Assembly		
Part Number	Description	Left / Right
7 B25395	As Fitted to 6 ¾ Myoelectric Hand Quick Disconnect Version	Left or Right
B25396	As Fitted to 7 ¼ Myoelectric Hand Quick Disconnect Version	Left or Right
B25397	As Fitted to 7 ¾ + 8 ¼ Myoelectric Hand Quick Disconnect Version	Left or Right



Seal-In Kit plus Electrode		
Part Number	Description	Power Supply
1	ELSK50 Seal-In Kit Myoelectric 50Hz - Includes 50Hz Electrode	5-19V DC
	ELSK60 Seal-In Kit Myoelectric 60Hz - Includes 60Hz Electrode	5-19V DC

Check local power supply frequency

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

**Control Options**  
 These myoelectrodes offer state-of-the-art electronics for outstanding capture and amplification from signals as low as 10uV. Biocompatible titanium skin contacts provide superior conductivity. Suitable for either Child or Adult arm systems.

Part Number	Description	Power Supply
3	ELEC50 Myoelectric 50Hz	5-19V DC
3a	ELEC60 Myoelectric 60Hz	5-19V DC

**Electrode Cables**  
 To allow connection between ELEC50 / ELEC60 Electrode and Quick Disconnect Wrist connection or Connector Block Cable. 3-Pin termination to cable.

Part Number	Description	Length
4	ECA-300 Electrode Cable	300mm (11 3/4")
	ECA-600 Electrode Cable	600mm (23 5/8")
	ECA-1000 Electrode Cable	1000mm (39 3/8")
4a	B24570 4-Pin Round Elbow Cable - Pink	525mm (20 5/8")
4b	CBBHA72 Connector Block Cable for Lithium Polymer Battery Receptacle BHA72	265mm (10 7/16")

Electrode Spare Parts		
Part Number	Description	
5	ELECSP Electrode Forming Kit	
5a	B31058 Electrode Suspension Legs	
5b	B30819 Electrode Cable Retaining Plug	

Silicone Grease		
Part Number	Description	
6	NLU0010 Silicone Grease	



## Quick Disconnect Wrist Unit

Part Number	Description	Hand Size	Height	Weight
5 QDAWA-40	40mm Wrist Assembly. Includes Lamination Ring, Coupling Piece and Coaxial Plug	6 ¾	20mm (¾")	38g (1 ⅜ oz)
QDAWA-45	45mm Wrist Assembly. Includes Lamination Ring, Coupling Piece and Coaxial Plug	7 ¼	25mm (1")	38g (1 ⅜ oz)
QDAWA-50	50mm Wrist Assembly. Includes Lamination Ring, Coupling Piece and Coaxial Plug	7 ¾	25mm (1")	42g (1 ½ oz)
QDAWA-54	54mm Wrist Assembly. Includes Lamination Ring, Coupling Piece and Coaxial Plug	8 ¼	25mm (1")	44g (1 ½ oz)

## Quick Disconnect Wrist - Spares

Part Number	Description	Hand Size	Height
6 QDALR-40	40mm Lamination Ring	6 ¾	20mm (¾")
QDALR-45	45mm Lamination Ring	7 ¼	23mm (⅞")
QDALR-50	50mm Lamination Ring	7 ¾	23mm (⅞")
QDALR-54	54mm Lamination Ring	8 ¼	23mm (⅞")
7 QDACP	Coupling Piece. Suitable for 40, 45, 50 and 54mm Quick Disconnect Wrist. Includes lock ring.		
8 QDACO	Coaxial Plug. Suitable for 40, 45, 50 and 54mm Quick Disconnect Wrist. Includes lock ring and screw.		

## Battery

Part Number	Description	Chemistry	Capacity	Dimensions	Weight
9 BLPA72	7.2V Lithium Polymer Battery	Lithium Polymer	800mAh	68 x 33 x 17 mm (2 ⅝" x 1 ¼" x ⅝")	45g (1 ½ oz)

## Battery Charger

Part Number	Description	Region
10 LPDC01	Lithium Polymer Battery Desktop Charger	World

## Battery Receptacles

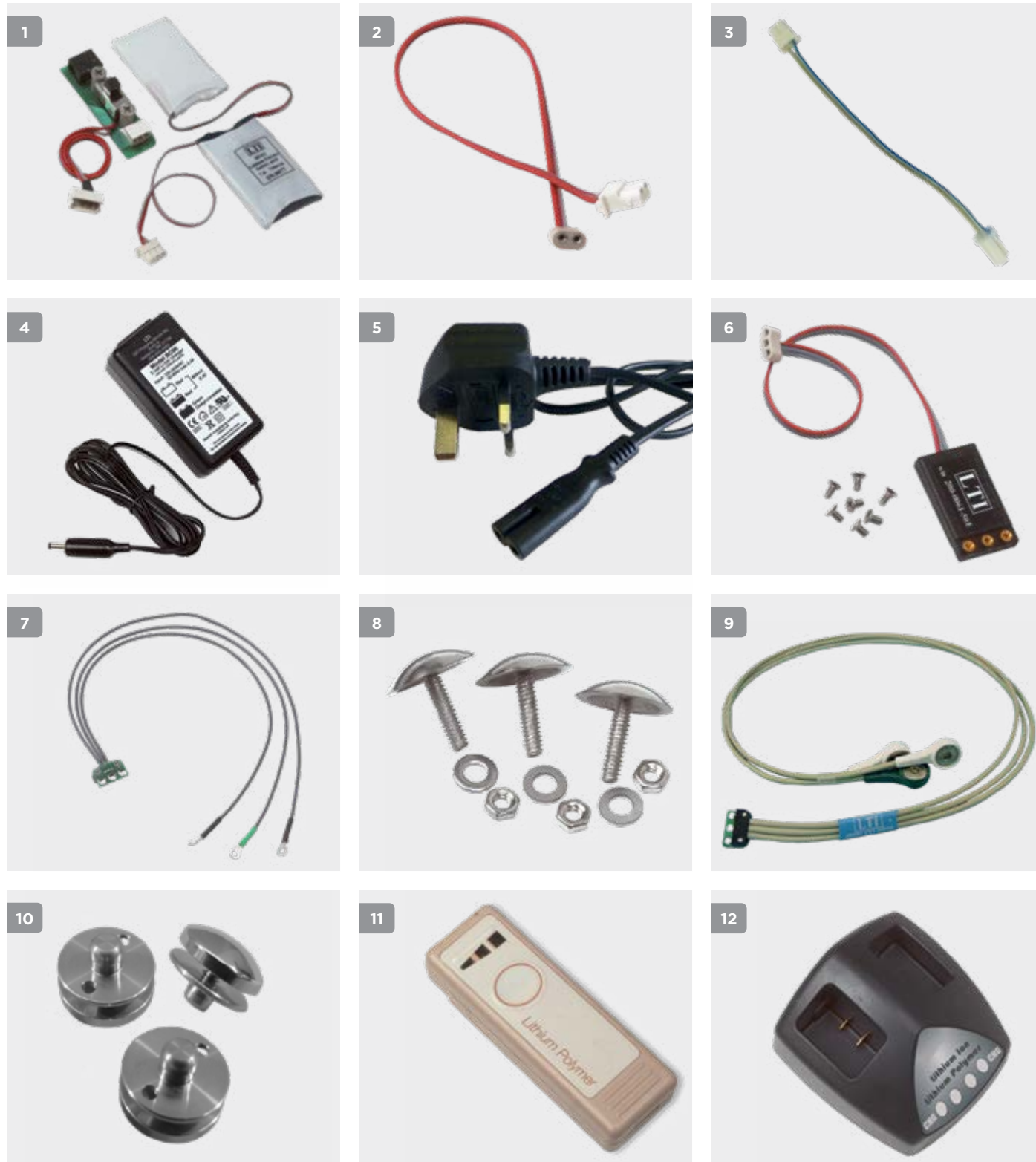
Forearm mounted battery receptacles are supplied in kits with all necessary formers

Part Number	Description	Battery
11 BHQDA72	Lithium Polymer Battery Holder with 2-Pin Output	BLPA72

**Note:** Suitable for connection to Quick Disconnect Wrist connection

12 BHA72	Lithium Polymer Battery Holder with Locking Connector	BLPA72
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**Note:** Suitable for connection to Connector Block Cable CBBHA72.



### Built-In Batteries

Built-in batteries offer ample capacity in a small, lightweight package which can be housed in a prosthetic forearm. Supplied with a recharge connector and an on/off switch. The recharge module is mounted through the forearm to allow for recharge. To complete the system an output cable, charger and power lead are required. We offer two configurations: a dense AA application or a split cell option allowing limited internal socket space to be utilised.

Part Number	Description	Capacity	Dimensions	Weight
1	NBP102 7.2V Split Cell Lithium Polymer Built-in Battery including Recharge Module, On/Off Switch	750mAh	6 x 30 x 47 mm (x2) (1/4" x 1 1/8" x 1 7/8")	44g (1 1/2 oz)
2	NMC31 Built-in Battery 2-Pin Output Cable. For use with NBP98S and NBP102 NMC41 Built-in Battery Cable. To regulate output to 5V Childs System			
3	NMC-B2-DS Output Cable to Connector CBBHA72 MCCV-RSL Output Cable 6V to Block			
4	NBC96 Built-in Battery Charger. For use with NBP98S and NBP102. Requires power lead			
5	NCA0310 UK Power Lead for NBC96 Charger NCA0311 European Power Lead for NBC96 Charger			

### Remote Electrodes

Remote Electrodes may be used on test sockets, frame sockets, plastic or laminated sockets and with roll on suspension liners. Electrode dome position may be moved quickly and easily by the prosthetist during assessment to ensure best performance. Gain may be adjusted through the dial on the cased adapter. A complete kit consists of 1 or 2 remote electrode(s), 1 or 2 remote electrode cable(s) and a set of electrode domes.

Part Number	Description	Dimensions	Application
6	NDC200B-50 50Hz Remote Electrode-Amplifier 3-Pin output connector	31 x 17.5 x 5 mm (1 1/4" x 5/8" x 1/4")	4.8 - 8.4 V DC
	NDC200B-60 60Hz Remote Electrode-Amplifier 3-Pin output connector	31 x 17.5 x 5 mm (1 1/4" x 5/8" x 1/4")	4.8 - 8.4 V DC
7	NREC03 3" Remote Electrode Cable NREC06 6" Remote Electrode Cable NREC12 12" Remote Electrode Cable NREC24 24" Remote Electrode Cable		
8	NEL11 Kit of 3 High Dome Metal Electrodes NEL12 Kit of 3 Medium Dome Metal Electrodes NEL13 Kit of 3 Small Dome Metal Electrodes	14.2 x 4.7 mm (1/2" x 1/4") 14.2 x 3.2 mm (1/2" x 1/8") 9.5 x 2.5 mm (3/8" x 1/8")	Significant soft tissue / adult Standard Child or space constrained
9	NMC5030004 Snap Electrode Cable	610mm (24")	N/a
10	N3010426 Kit of 6 Snap Electrode Domes	9.5mm	N/a

### LiP Power Plus Battery

Part Number	Description	Chemistry	Capacity	Dimensions	Weight
11	B22606 LiP Power Plus Battery 6.6V	Lithium Polymer	520mAh	81 x 28 x 17 mm (3 3/16" x 1 1/8" x 5/8")	39g (1 oz)

### LiP Power Plus Charger

Part Number	Description	Region
12	E24052 LiP Power Plus Battery Charger and Transformer	World

**Note:** The above chargers are suitable for use with previous issue B22606 Lithium Ion and upgraded B22606 Lithium Polymer batteries.