



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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- Cable Operated & Spring Hands
- Functional Devices
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- Modular Arm Systems**
- Wrist Units
- Mech. Elbow Units & Joints
- Suspension & Control Systems
- Materials & Tools

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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 1/2 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 1/2" UNF X 20 TPI	214g(7 1/2oz)



**Connection Tube**

Aluminium connection tube.

Part Number	Length	Weight	Inner Diameter	Outer Diameter
B22753	230mm (9")	39g (1 3/8 oz)	12.7mm (1/2")	15.6mm (5/8")



**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 1/2")	1/2" UNF x 20 TPI	16g (1/2 oz)	16mm (5/8")
NHD55109	45mm (1 3/4")	1/2" UNF x 20 TPI	23g (1oz)	16mm (5/8")
NHD55110	50mm (2")	1/2" UNF x 20 TPI	30g (1oz)	16mm (5/8")



**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 1/2")

**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 1/2" 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 1/2" UNF x 20 TPI	34g (1oz)	27.5mm (1 1/16")
3 B22518	Male Tube Adapter - Allows connection between Connection Tube B22753 and Friction Housing NHD55108 - NHD55110	Internal Thread 1/2" UNF x 20 TPI	12g (1/2 oz)	41mm (1 5/8")
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 (1/2 oz)	22mm (7/8")
5 B22762	Extension Female Adapter - Allows an existing system to be lengthened	1/2" UNF x 20 TPI External to Internal thread	37g (1oz)	27mm (1 1/16")



### 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.

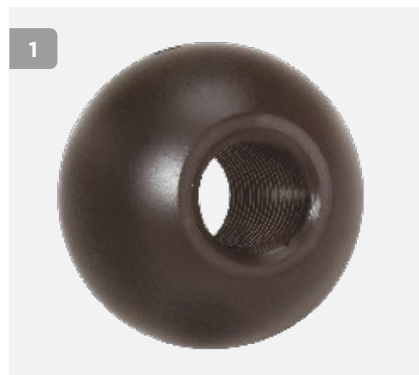
Part Number	Description	Weight	Height
B17951	Multi-Axial Wrist Housing 50mm (2")	41g (1 1/2 oz)	32mm (1 1/4")
B17950	Multi-Axial Wrist Housing 54mm (2 1/8")	37g (1 1/2 oz)	32mm (1 1/4")



### 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 (1/3 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 * 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.