



**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.

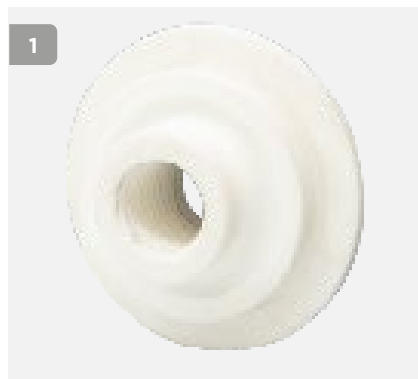
Part Number	Wrist Size	Application	Weight	Height
C19011	40mm (1 1/2")	Child	33g (1oz)	32mm (1 1/2")
C12848	45mm (1 3/4")	Child/Juvenile	39g (1oz)	32mm (1 1/4")
C12810	50mm (2")	Adolescent/Adult	50g (1 3/4 oz)	33mm (1 1/4")
C12824	54mm (2 1/8")	Adult	57g (2 oz)	33mm (1 1/4")



**Friction Wrist - Spare Parts**

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

## 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 (1/3 oz)	14mm (1/2")
	B22959	40mm (1 1/2")	M12 x 1.5 (European Standard)	11g (1/3 oz)	18mm (3/4")
<b>1a</b>	B19639	40mm (1 1/2")	1/2" x 20 TPI (US Standard)	9g (1/3 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")



## 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 5/8")	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")