

# WILLOWWOOD®

## Alpha Control® Liner System Ordering Guidelines

A Partnership Between WillowWood and Coapt



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# Alpha Control<sup>®</sup> Liner System

## Ordering Guidelines

The Alpha Control Liner is available in three sizes (Extra Small, Small and Medium), with 9 potential lead lengths (ranging from 6 cm to 22 cm, in 2 cm increments) – enabling simplified myo-site selection and accommodating the vast majority of transradial and transhumeral limb sizes.

WillowWood now offers Alpha Control Fitting Liners - an assessment tool that aids in selecting the appropriate Alpha Control Liner SKU. It is intended that the Coapt Gen2 Pattern Recognition Evaluation Kit be used for myo-site selection prior to using the fitting liner. The fitting liner serves as a visual guide that allows practitioners to correlate the optimal locations for electrode placement and therefore the appropriate lead-length for the final Alpha Control Liner. Alpha Control Fitting Liners are available in 3 sizes (XS, S, M) similar to the Control Liner - each size is purchased individually. See last page for fitting liner part numbers and separate Alpha Control Fitting Liner IFUs for details.

Please note that WillowWood does not recommend casting over fitting liners as electrode volume is not accounted for.

## Contraindications

The Alpha Control Liner may not be suitable for patients with any of the following conditions:

Limb circumferences outside the size chart ranges.

Insufficient clearance of 1.5" (3.8 cm) for the lock plus the length of any additional components.

A residual limb length shorter than 1.96" (5 cm):

- Distal end to cubital fold (Transradial)
- Distal end to axilla (Transhumeral)

Determined noncandidate for pattern recognition with the [Coapt Evaluation Kit](#).

Lacks strength/dexterity to properly roll the liner onto the limb.

Lacks the ability to properly orient the liner.

Skin condition(s) aggravated by covering with a non-porous liner.

Nickel allergies from electrode use.

Noncompliant with liner cleaning and disinfecting procedures.

Usage of the COVVI hand in conjunction with Alpha Control and Coapt is limited to Open/Close movements only, multi-function mode is not supported.



# Liner Selection

## 1. Choose Liner Circumference Size

Measure two limb circumferences:

- 15" from the distal end
- 12" from the distal end

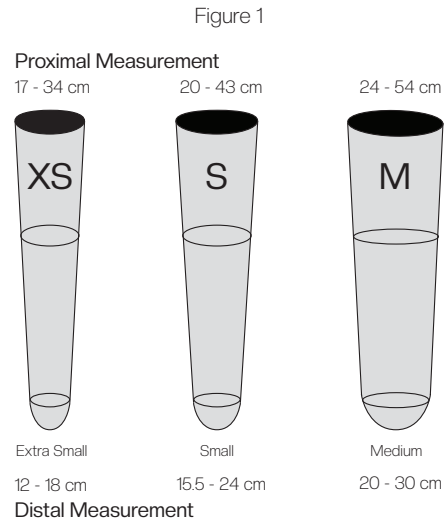
For measurements above the elbow, keep the arm fully extended.

Measure 12" from the distal end OR

1" distal to the axilla, whichever effective limb length is longer.

Select size appropriate from size chart. (Figure 1)

\*For Control: the Proximal Measurement is 30 cm from the distal end and the Distal Measurement is 4 cm from the distal end



## 2. Choose Electrode Pattern Length

Electrodes are positioned circumferentially in two or three rows around the liner.

There are nine different Pattern Lengths to accommodate various residual limb lengths. Distance between the proximal and distal rows of electrodes ranges from 2 cm - 4 cm dependent on the liner size and pattern length chosen.

Position the elbow in 90° of flexion and the humerus at the patient's side.

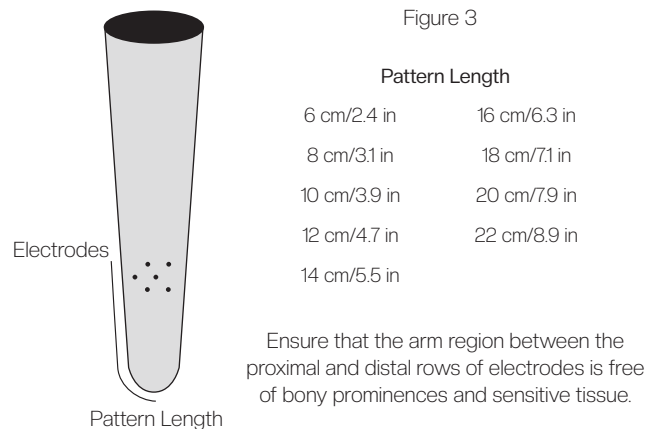
Determine muscle activity areas by palpating or using the Coapt Test Cuff.

Measure along the skin from the most distal point of the limb to the desired position of the most proximal electrode. (Figure 2)

Figure 2



Choose the Pattern Length that most closely matches the measured length. (Figure 3)



If the measurement is between two lengths, choose the shorter pattern length. (ex. For 7 cm measurement, select 6 cm pattern length)

Electrode lead lengths will vary slightly depending on limb circumferences.

If the measured length is close to bony prominences, sensitive tissue, or the cubital fold, choose a shorter pattern length.

Additionally, Alpha Control Fitting Liners can aid in determining pattern length. See Fitting Liner IFU for details.

### 3. Finalize Your SKU

## Liner Sizing

Leads	Extra Small	Small	Medium
6 cm	ACLS-049-X06	ACLS-049-S06	ACLS-049-M06
8 cm	ACLS-049-X08	ACLS-049-S08	ACLS-049-M08
10 cm	ACLS-049-X10	ACLS-049-S10	ACLS-049-M10
12 cm	ACLS-049-X12	ACLS-049-S12	ACLS-049-M12
14 cm	ACLS-049-X14	ACLS-049-S14	ACLS-049-M14
16 cm	ACLS-049-X16	ACLS-049-S16	ACLS-049-M16
18 cm	ACLS-049-X18	ACLS-049-S18	ACLS-049-M18
20 cm	ACLS-049-X20	ACLS-049-S20	ACLS-049-M20
22 cm	ACLS-049-X22	ACLS-049-S22	ACLS-049-M22

\*Liner is only available in a 3 mm uniform profile

## How To Order

### Alpha Control Liner System

Ordering example:

Medium Liner with 8 cm lead length

**ACLS-049-M08**

Model	Liner Size	Lead Length	
ACLS-049 =	X = Extra Small	06 cm	16 cm
Alpha Control	S = Small	08 cm	18 cm
Liner System	M = Medium	10 cm	20 cm
		12 cm	22 cm
		14 cm	

### Fitting Liner Part Numbers

Part Number	Description
ACL-049-XF	Alpha Control Fitting Liner, Extra Small
ACL-049-SF	Alpha Control Fitting Liner, Small
ACL-049-MF	Alpha Control Fitting Liner, Medium

### Replacement Alpha Control Liner Only

Ordering example:

Medium Liner with 8 cm lead length

**ACL-049-M08**

Model	Liner Size	Lead Length	
ACL-049 =	X = Extra Small	06 cm	16 cm
Alpha Control	S = Small	08 cm	18 cm
Liner-Replacement	M = Medium	10 cm	20 cm
Liner		12 cm	22 cm
		14 cm	

### Alpha Control Liner Accessory Part Numbers

Part Number	Description
ACL-300	Alpha Control Liner Electrode Pack of 13
ACL-301	Alpha Control Liner Lock (with Button)
ACL-302	Alpha Control Module
ACL-303	Alpha Control Liner Cap
ACL-304	Alpha Control Liner Fabrication Dummy Kit
ACL-305	Alpha Control Lock Button (Replacement)