

lymphology
measuring for
custom-made flat-knit
upper extremity

effective October 1, 2017

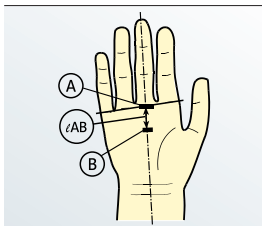
Notes on taking measurements for custom-made flat-knit armsleeves & gloves

- Flat knit compression garments should not be measured until the best possible decongestion effort has been achieved. Circumference (c) and length (l) measurements are taken in a distal to proximal sequence. (starting at the fingers or wrist and working up the arm towards the shoulder).
- It is essential to mark measuring points on the arm so that the circumference and length measurements are taken at the same point.
- The amount of tension applied must be determined by a person experienced in bandaging techniques and depends on edema and tissue characteristics, sensitivity to pain, fibrosis, location of the edema, mobility, and strength of the patient.

Hand

All length measurements are contoured along the limb.

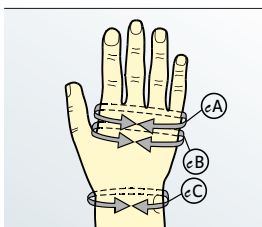
Measuring point A: At the line joining the joints at the base of the little finger and index finger



Length (l) A
Starting point for further length dimensions is halfway along this line.

Circumference (c) A
Place the tape measure around the joints at the base of the fingers with the hand placed firmly on the table. Hand must be splayed.

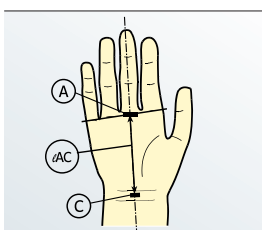
Measuring point B: At the base of the thumb webbing



Length (l) B
Measure A – B on the extended palm. Experience shows that in 80% of cases this is approx. 3cm in adults.

Circumference (c) B
Measure in a straight line over middle of hand with palm placed firmly on the table. Hand must be splayed.

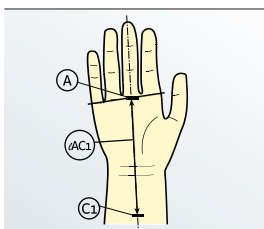
Measuring point C: Usually at the distal (closer to fingers) wrist fold, depending on the extent of the edema



Length (l) C
Measure A – C on the inside of the extended hand.

Circumference (c) C
Measure without tension. If necessary make a dimensional allowance.

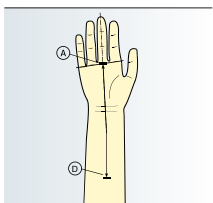
Measuring point C1: At the first third between C and E (elbow crease)



Length (l) C1
Measure A – C1 on the palm side of the extended hand.

Circumference (c) C1
Measure as border dimension without tension.

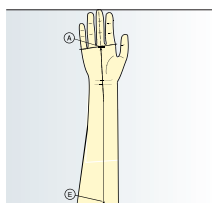
Measuring point D: At the second third between C and E, generally the largest forearm circumference



Length (l) D
Measure A – D on inner/palm side of the extended wrist.

Circumference (c) D
Measure at desired tension level.

Measuring point E: At the elbow crease



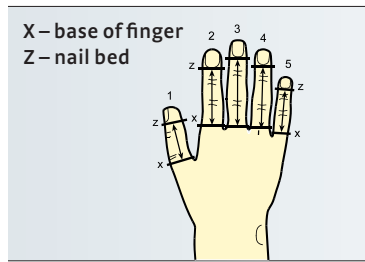
Length (l) E
Measure A – E on inner/palm side of the extended wrist.

Circumference (c) E
Ensure that the border dimension is not measured too tightly.

Fingers

All length measurements are contoured along the limb.

Finger lengths

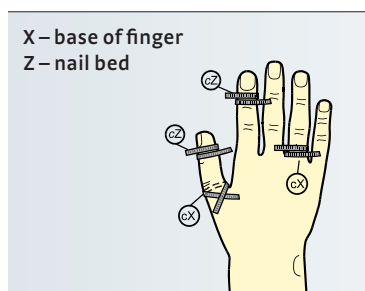


Length (l)

Shortest length from web (X) to the nail bed (Z).

Exception: If the fingers are closed, measure to the end of the finger

Finger circumferences



Circumference (c)

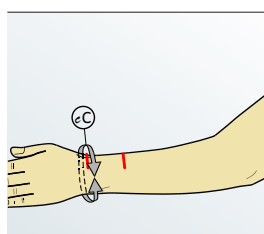
Generally measure dimensions X and Z to the millimeter and without tension.

The X dimension may not be smaller than the Z dimension; if necessary, adjust to the Z dimension

Lower Arm

All length measurements are contoured along the limb.

Measuring point C: Usually at the distal (closer to fingers) wrist fold, depending on the extent of the edema

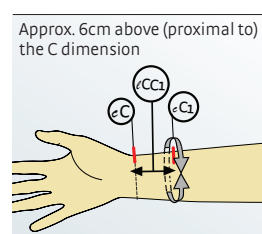


Circumference (c) C

Measure without tension for small circumferences (approx. < 18). If necessary, make a dimensional allowance.

Caution: If C dimension is too small, edema may develop in the back of the hand.

Measuring point C1: At the first third between C and E (elbow crease)



Length (l) C1

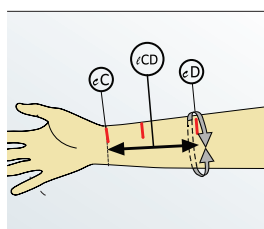
Measure C-C1 on the inner side of the arm.

Required by medi!

Circumference (c) C1

Measure without tension.

Measuring point D: At the second third between C and E, generally the largest forearm circumference



Length (l) D

Measure on the flexor side (inside) of the extended arm, specify the length from C – D.

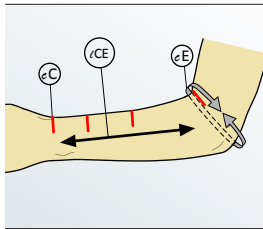
Circumference (c) D

Usually measured tightly, depending on the edema.

Upper Arm

All length measurements are contoured along the limb.

Measuring point E: At elbow and flexion crease



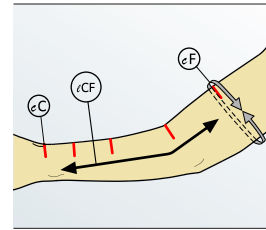
Length (l) E

Select the measuring point at the bent elbow as illustrated and determine the length from C – E on extended arm.

Circumference (c) E

With elbow slightly bent (approx. 45°), measure without tension and not into the flexion crease. If necessary measure slightly above the elbow.

Measuring point F: At the middle of the upper arm, at the midpoint of E and G



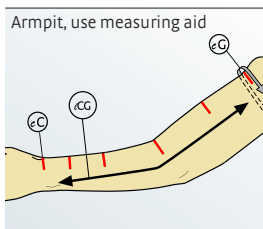
Length (l) F

Measure length from C – F on the extended arm.

Circumference (c) F

Usually measure tightly, depending on edema.

Measuring point G: At the axilla/armpit



Length (l) G

Measure length from C – G on the inside of the extended arm.

Circumference (c) G

Depending on the edema, this is usually measured without tension at right angles to the axis of the arm.

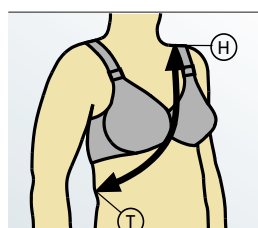
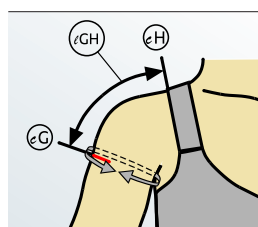
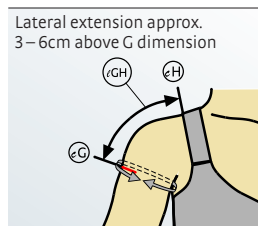
Shoulder Cap

All length measurements are contoured along the limb.

Measuring point G (at the axilla/armpit) & H (at the acromion)

Attachment options

1. Top band (only with lateral extension).
See options offered on order form.
2. Shoulder strap.
3. Bra attachment.



Length (l) G-H

Oblique border:
state distance from
G – H.

No circumference
dimension required.

Point H for Shoulder Strap:

Measure from G on the outer aspect as far as the shoulder (H-acromion).

Point H for Bra Attachment:

Measure from G to lateral side (closer to the arm, not the neck) of bra strap and state bra strap width (> 3cm).

Measure strap length from shoulder level (H-acromion) over torso back to height of shoulder. (all the way around the body)



Absolute Medical, 1843 W Hubbard St #2A
Chicago, IL 60622
Tel: 312 233 2207 Fax: 866 860 9358
To Order Online: orders@absolutemedical.com
Our website: absolutemedical.com

Patient Last Name: _____ Patient First Name: _____

Fitter Last Name: _____ Fitter First Name: _____

Date: _____

Upper Extremity Options Form - Flat Knit Custom

HAND PIECE:

Ending Circumference cZ

Base Circumference cX

AC1 19.9cm max length
AD 29.9cm max length
AE 50cm max length

Thumb

cZ cm

cX cm

Length finger 1 cm

Length finger 2 cm

Length finger 3 cm

Length finger 4 cm

Length finger 5 cm

AB cm

AC cm

AC¹ cm

AD cm

AE cm

cA cm

cB cm

cC cm

cC¹ cm

cD cm

cE cm

ARM SLEEVE

Circumference

Length cG-H cm

Length cm

shoulder strap K

cG cm

cF cm

cE cm

cD cm

cC^{*} cm

cC cm

ℓG cm

ℓF cm

ℓE cm

ℓD cm

ℓC^{*} cm

ℓC cm

ANATOMICAL SHOULDER CAP (OPTIONAL)

Shoulder width _____ cm

(do not encroach into anterior/posterior axillary fold)
35cm max



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Chicago, IL 60622
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Our website: absolutemedical.com

Patient Last Name: _____ Patient First Name: _____
Fitter Last Name: _____ Fitter First Name: _____
Date: _____

Upper Extremity Options Form - Flat Knit Custom

MATERIAL <input type="checkbox"/> mediven 550 <input type="checkbox"/> mediven mondi esprit	SUPPORT OPTIONS <input type="checkbox"/> None <input type="checkbox"/> Topband Options <input type="checkbox"/> Beaded Silicone Topband <input type="checkbox"/> small (2.5cm) <input type="checkbox"/> wide (5cm) <input type="checkbox"/> small (2.5cm) 3/4 circumference <input type="checkbox"/> Profile (honeycomb pattern 5cm) <input type="checkbox"/> Peony (beaded 5cm) Oblique Border <input type="checkbox"/> Beaded Silicone Pieces at G <input type="checkbox"/> 5 x 5 cm <input type="checkbox"/> 5 x 10 cm <input type="checkbox"/> Anti-Slip Silicone Dots <input type="checkbox"/> Oblique border (6 x 4.5 cm) <input type="checkbox"/> On palm (6 x 4.5 cm)	OBLIQUE ENDING AT G <input type="checkbox"/> Standard Oblique <input type="checkbox"/> Steep Oblique <input type="checkbox"/> Straight Ending	COLOR Standard Colors <input type="checkbox"/> Caramel <input type="checkbox"/> Black <input type="checkbox"/> Sand <input type="checkbox"/> Cashmere Trend Colors* * Require an extra five days for delivery. <input type="checkbox"/> Anthracite <input type="checkbox"/> Magenta <input type="checkbox"/> Aqua <input type="checkbox"/> Mint-Green <input type="checkbox"/> Blue-Jeans <input type="checkbox"/> Moss-Green <input type="checkbox"/> Cherry-Red <input type="checkbox"/> Navy <input type="checkbox"/> Coral	STYLE/QUANTITY ____ arm sleeve (cG) (only) ____ long hand section (zD, zE) ____ 1 piece hand/arm combo (zG, zAG) (one garment) ____ 2 pieces hand/arm <input type="checkbox"/> porous row for half compression	KNITTING MARKS (FLEXION ANGLE) AT ELBOW <input type="checkbox"/> 160 degrees (standard) <input type="checkbox"/> 150 degrees <input type="checkbox"/> 135 degrees (greatest flexion)	DESIGN ELEMENTS <input type="checkbox"/> Live Laugh Love <input type="checkbox"/> Sportive <input type="checkbox"/> Timeless	OTHER OPTIONS <input type="checkbox"/> Silk Lining Material location: _____ _____ (please include drawing in notes section) width _____ cm length _____ cm <input type="checkbox"/> Lymphpad location: _____ _____ (please include drawing in notes section) width _____ cm length _____ cm	SWAROVSKI CRYSTALS Pattern: Location: <input type="checkbox"/> Beauty <input type="checkbox"/> Upper arm <input type="checkbox"/> Brilliance <input type="checkbox"/> Lower arm <input type="checkbox"/> Romance	NOTES/ADDITIONAL INFO										
HANDPIECE/QUANTITY ____ gauntlet ____ glove <input type="checkbox"/> finger open <input type="checkbox"/> finger closed	<input type="checkbox"/> Shoulder Attachments <input type="checkbox"/> Shoulder Strap (K) <input type="checkbox"/> small (2.5cm) (adjustable) <input type="checkbox"/> wide (5cm) (velcro) <input type="checkbox"/> Bra attachment strap width of bra strap _____ cm <input type="checkbox"/> Shoulder Cap (partial compression) <input type="checkbox"/> Standard (partial shoulder width) <input type="checkbox"/> Anatomical (encompasses shoulder, must include Box 3 from page one)																		
COMPRESSION <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">CCL1 15-21 mm/hg</th> <th style="text-align: center;">CCL2 23-32 mm/hg</th> <th style="text-align: center;">CCL3 34-46 mm/hg</th> </tr> </thead> <tbody> <tr> <td>hand piece:</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>arm sleeve:</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </tbody> </table>		CCL1 15-21 mm/hg	CCL2 23-32 mm/hg	CCL3 34-46 mm/hg	hand piece:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	arm sleeve:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
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SIDE ____ Left ____ Right																			