

HOW TO MEASURE SHOOTING JACKET AND SHOOTING PANTS



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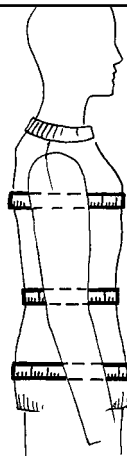
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Before measuring remember:

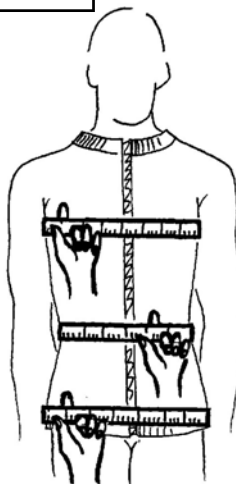
- The measures are the most important factor for a good fit.
- The measures are measures of the shooter **with shooting underwear and shooting sweater on.** Do not add or deduct anything.
- The measures are not measures of a ready made jacket or pants. The extra overlap needed because of rules and 'moving space' inside will be added by the factory.
- If you use mark the waist with the thin, black 'belt' which we provide put it at the waist with the centre 5 cm over the highest point of the hip bones.
- If you feel unsure call your KT Dealer or, if you can't get in touch with her/him, our factory.

JACKET:

DO THIS WAY:

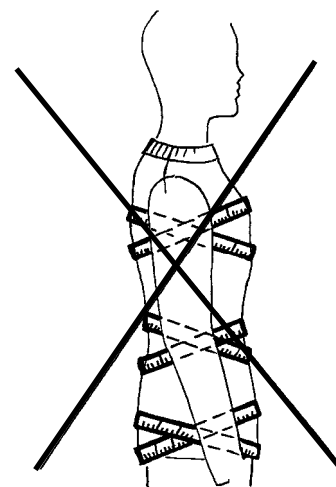


1. AROUND CHEST MAXIMUM
2. AROUND WAIST
3. AROUND HIPS MAXIMUM



TIPS:

Ask the shooter to RELAX and not to hold in stomach or lift shoulders.



Do NOT tighten the measuring tape too much but do not either have it too loose. Remember that you should be able to keep one finger under the measuring tape.

Be sure to keep the measuring tape HORIZONTALLY!

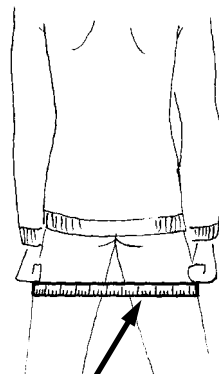
Always keep one finger under the measuring tape.

- 1 **AROUND CHEST** is the maximum circumference measured at the highest point of the chest with the measuring tape kept straight.
- 2 **AROUND WAIST** is the circumference measured 5 cm over the HIGHEST POINT of the hip bones with the measuring tape kept straight.
- 3 **AROUND HIPS** is the circumference measured around the widest part of the hips with the measuring tape kept straight.

Please, observe: **MEASUREMENT X** (not needed for prone jackets).

If the shooter has a very wide feet position in standing we need: **MEASUREMENT X** which is the circumference of the bottom of the jacket with the feet in standing shooting position.

MEASUREMENT X is measured at the height of the fists when standing with arms straight. Write the **X** measurement at 'REMARKS' on the order form.

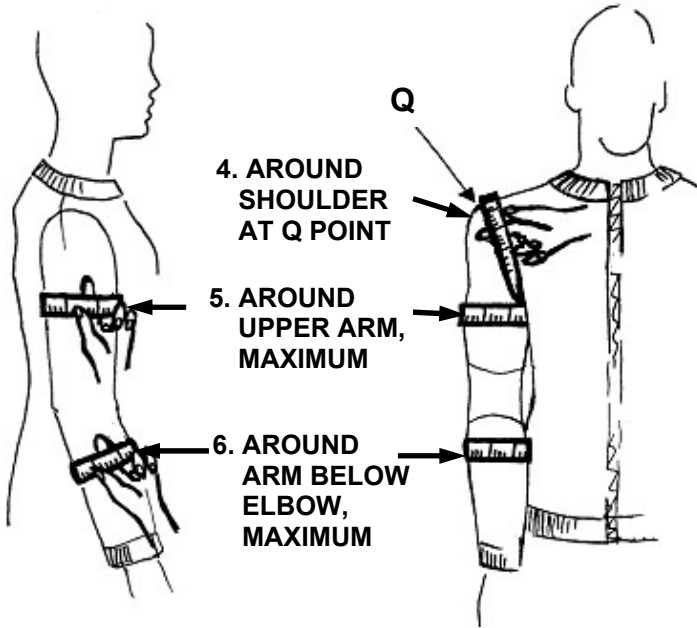
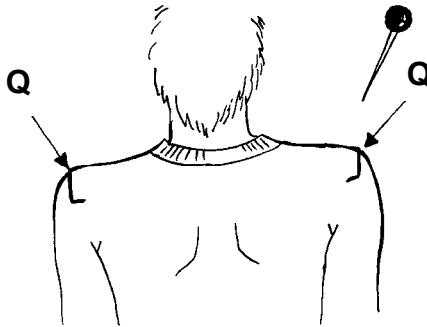


MEASUREMENT X

DO THIS WAY:

HOW TO FIND THE Q-POINTS?

Several measures are taken from the Q-points. The Q-points are at the outside edges of the shoulder bones. Not any part of the biceps muscles should be between the Q-points.



4. AROUND SHOULDER AT Q POINT

5. AROUND UPPER ARM, MAXIMUM

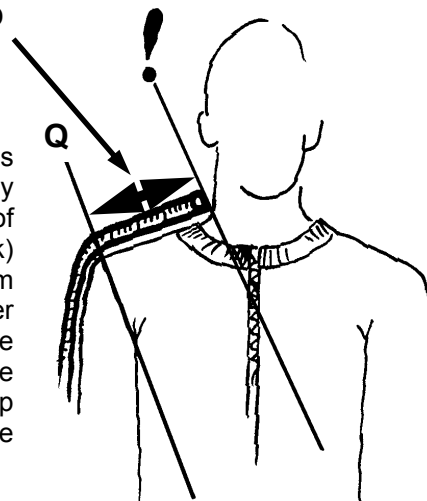
6. AROUND ARM BELOW ELBOW, MAXIMUM

Measure with one finger under the measuring tape:

- 4 **AROUND SHOULDER AT Q-POINT**, see figure.
- 5 **AROUND UPPER ARM MAXIMUM** is measured at the thickest point around the upper arm.
- 6 **AROUND ARM BELOW ELBOW MAXIMUM** is measured at the thickest point under elbow.

7. FROM NECK TO Q- POINT

7 Measurement 7 is measured all the way from the highest point of the shoulder (at the neck) to the Q-point (NOT from the edge of the sweater collar or from the presumed edge of the ready made jacket). Keep the measuring band in the middle of the shoulder.

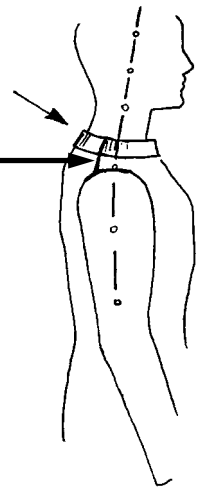


TIPS:

1/2

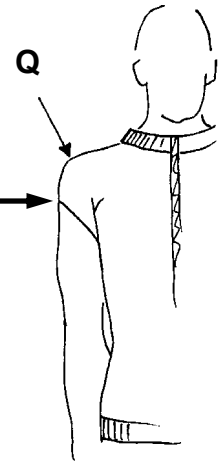
Observe!

Very often the shoulder seam in the sweater is NOT in the middle of the shoulder and thus NOT indicating the correct place of the Q-point.

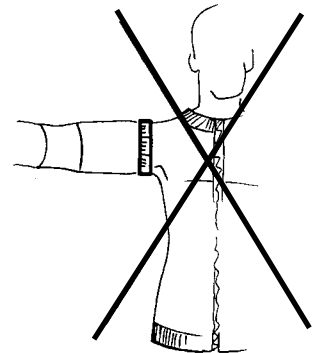


Observe!

Very often the seams of the sleeves are HANGING DOWN and thus NOT indicating the correct place of the Q-



When taking measurement no. 4 the arm should be rather low. If the arm is straight out to the side the measure may be too tight.



As the shooter often is tensed it's a good idea to tell him / her to RELAX the shoulders.

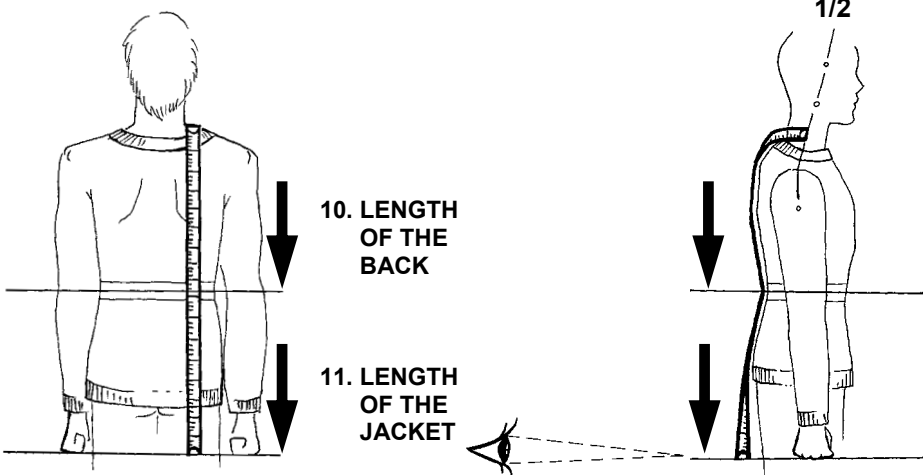
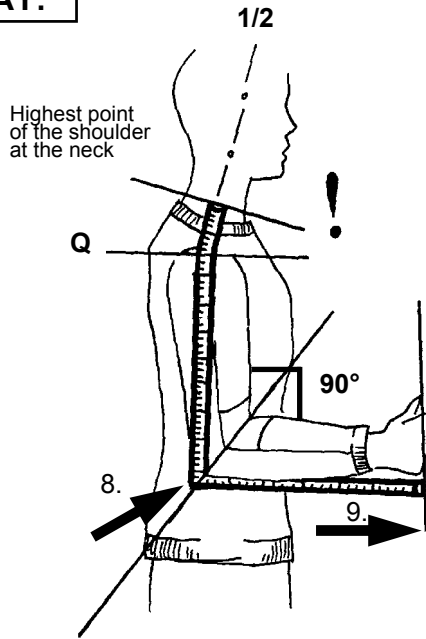
DO THIS WAY:

8 FROM NECK OVER Q-POINT TO BACK ELBOW POINT

Measure direct from the highest point of the shoulder at the neck over the Q-point to the **back of the elbow point** in one measurement. Elbow should be kept in 90° angle.

9 FROM NECK OVER Q-POINT AND ELBOW POINT TO END OF FIST

Measure all the way from the highest point of the shoulder at the neck over Q-point and over **back of the elbow point** to the end of the fist. Elbow should be kept in 90° angle.



10 FROM NECK TO WAIST (= length of the back)

The length of the back is measured from the highest point of the shoulder at the neck (seen from the side: from the middle of the shoulder) along the back to middle of the 'Measuring Belt'.

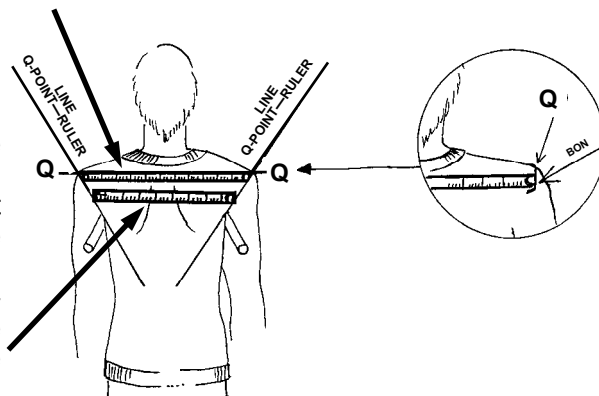
11 TOTAL LENGTH FROM NECK TO END OF FISTS WITH ARMS STRAIGHT (= length of the jacket)

The total length of the jacket is measured from the highest point of the shoulder at the neck (seen from the side: from the middle of the shoulder) along the back over the waist to the end of fists.

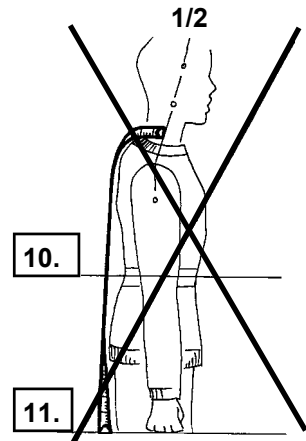
12 WIDTH BETWEEN Q-POINTS

13 WIDTH OF BACK

To make measuring easier put two rulers straight under the armpits of the shooter. The correct measurement is the straight distance between the lines (Q-point — ruler) over the highest point of the shoulder blades.



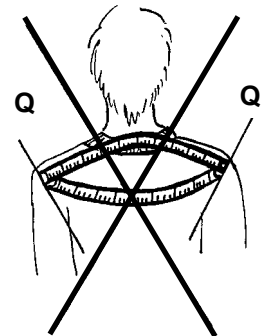
TIPS:



Note: the measuring tape should follow the contour of the back **NOT** hang straight down.

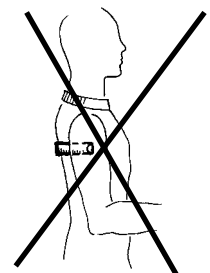
If you use our 'Measuring Belt' then measure to **THE MIDDLE OF THE BELT**. **NOT** upper or lower edge.

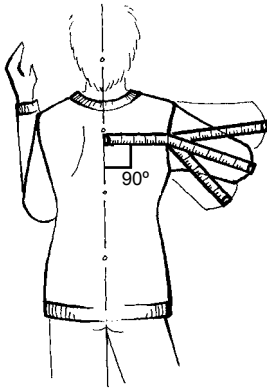
When reading the measurement 11 keep your eyes at the **SAME HEIGHT** as the measuring point. If your eyes are on higher level the measure will be too short.



When measuring **WIDTH BETWEEN Q-POINTS** control that the measuring tape is straight and **NOT** going over the neck or hanging down.

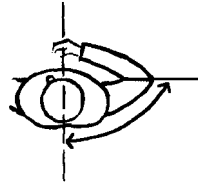
WIDTH OF BACK is **NOT** measured from under the armpits.



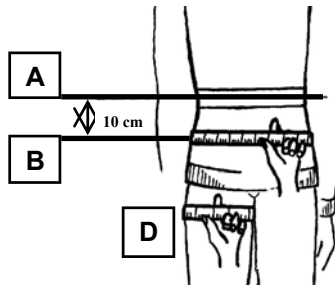
**DO THIS WAY:****14 MIDDLE OF BACK TO BACK ELBOW POINT IN STANDING POSITION**

(NOT needed for PRONE jackets)

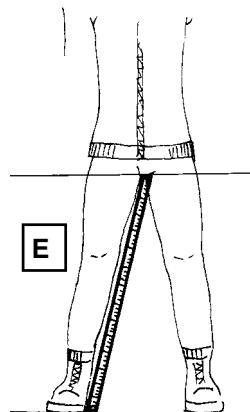
The shooter must keep his/her arms in standing shooting position. Start in the middle of the back at the backbone and measure horizontally over the highest point of the shoulder blade. Then continue along the middle of the back of the arm to the back elbow point.

**PANTS:**

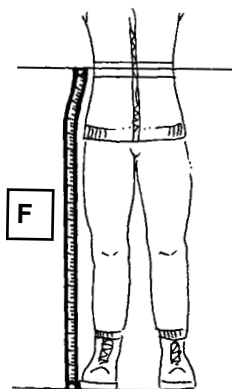
MEASURES A and C: see instructions for jacket measures 2 and 3!

B CIRCUMFERENCE 10 cm UNDER WAIST LINE**D AROUND THIGH, MAXIMUM**
The circumference D is taken at the thickest point of the thigh.**E INSEAM TO FLOOR WITH SHOOTING BOOTS ON**

The measurement F is taken — as the figure shows — from the crotch point (from the top of the inseam) along the leg to the floor with shooting boots on.

**F FROM WAIST TO FLOOR WITH SHOOTING BOOTS ON**

Measure from the middle of the waist belt following the form of the hips to the floor with shooting boots on.

**TIPS:**

When taking the measurement 14, notice:

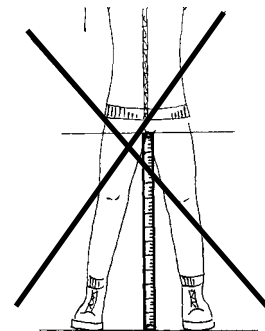
- ALWAYS MEASURE THE TRIGGER ARM!
- THE SHOOTER MUST HAVE THE ARMS IN STANDING SHOOTING POSITION.

When taking measurements A, B, C and D keep one finger under the measuring tape and keep the tape horizontally.

When taking measurement F:

If the top of the inseam is hard to find use a ruler which is kept horizontally. Please, notice that on some loose underwear pants the highest point of the inseam is HANGING DOWN under the correct measuring point. Ask the shooter to pull the underwear pants as HIGH UP AS POSSIBLE This will make it easier for you to find the correct spot for measuring.

When reading the measurement F keep your eyes at the SAME HEIGHT as the upper measuring point.



Measure along the leg to the floor, NOT straight down.