

# HOW TO MEASURE SHOOTING JACKET AND SHOOTING PANTS

OY TEEMA LINE LTD

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you deserve X.9s!

MEASURE OVER ALL UNDERWEAR THE SHOOTER IS USING UNDER SHOOTING JACKET & PANTS

## Before measuring remember

- Measures are measures of the shooter. Don't add or deduct anything.
- When taking circuit measures have one (1) finger under the measuring tape.
- The measures are the most important factor for a good fit.
- 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 feel unsure call your KT Dealer or, if you can't get in touch with her/him, our factory.

Do NOT tighten the measuring tape too much but do not either have it too loose.



Mark the waist with the thin, black 'belt' which we provide.

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

Be sure to keep the measuring tape HORIZONTALLY when seen from the side.

## 1. AROUND CHEST

Measured the biggest circumference.

## 2. AROUND WAIST

Measure the smallest circumference.

## 3. CIRCUMFERENCE 10cm UNDER WAIST LINE

Measure 10cm under the waist (measure 1).

## 4. AROUND HIPS

Measure at the widest part of the hips. (However, not over the thighs).

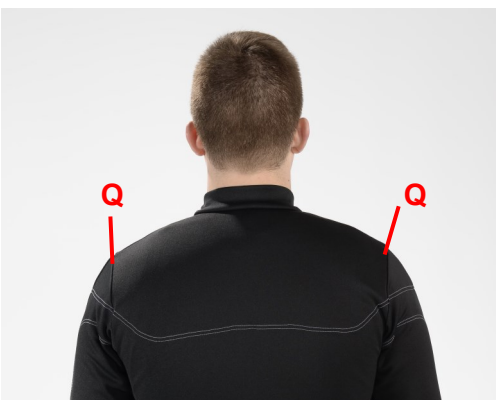
## 4.a FROM WAISTLINE TO HIP

Measure height between waistline and horizontal hipline (measure 4)

## FOR THE FOLLOWING MEASURES YOU NEED THE "Q-POINTS":

The Q-POINTS are on the outer back side of the shoulder bones. Note that no part of the biceps muscles should be between the Q-points.

Mark the Q-points with two needles.

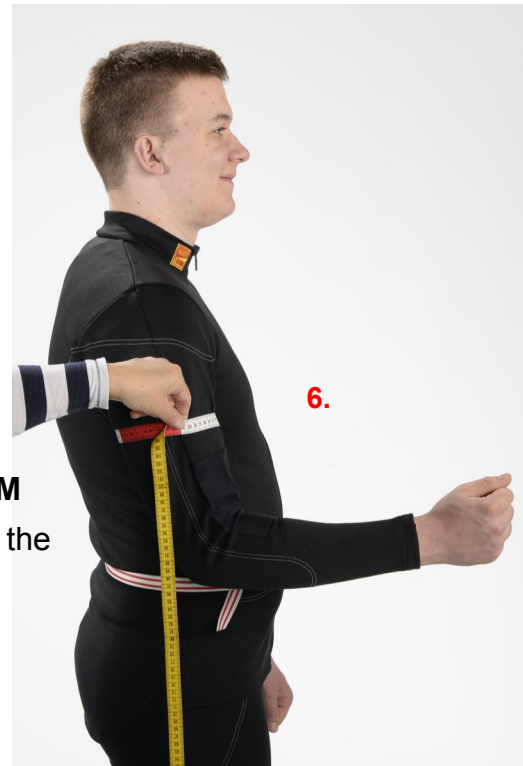




### 5. AROUND SHOULDER AT Q-POINT

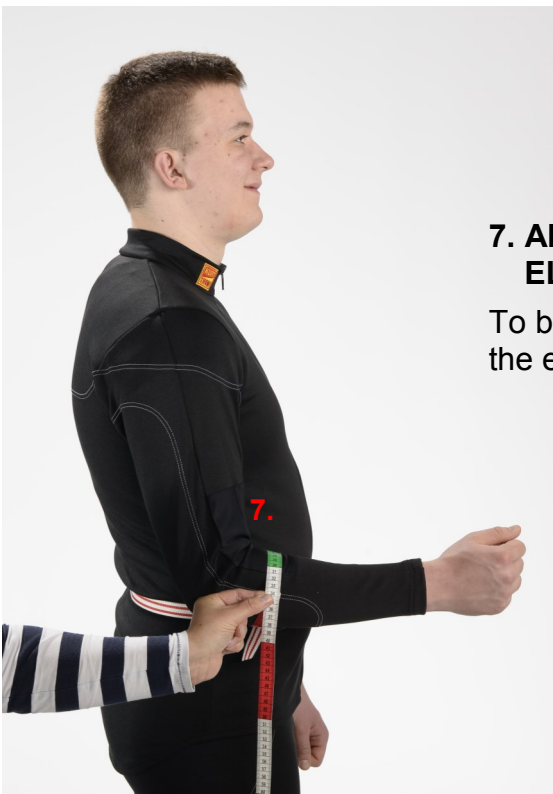
The arm should be in an angle of 30°.

If the arm is too high the measure will be too tight.



### 6. AROUND UPPER ARM, MAXIMUM

Measured at the thickest place over the biceps.

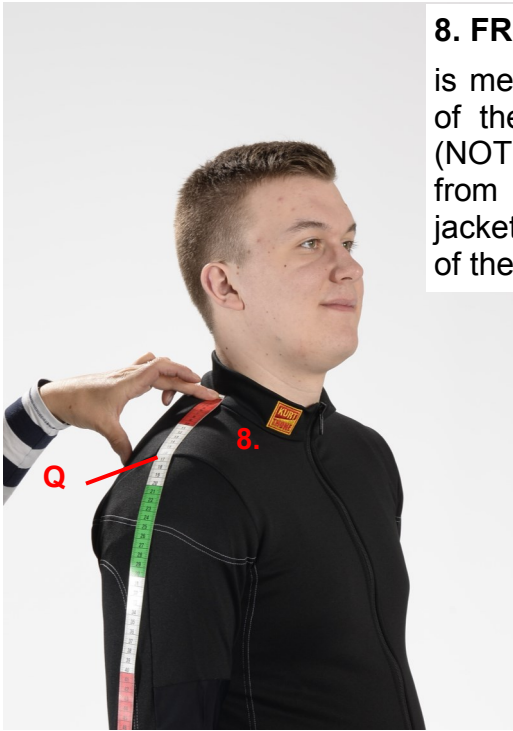


### 7. AROUND ARM BELOW ELBOW, MAXIMUM

To be measured at the thickest point below the elbow.

### 8. FROM NECK TO Q- POINT

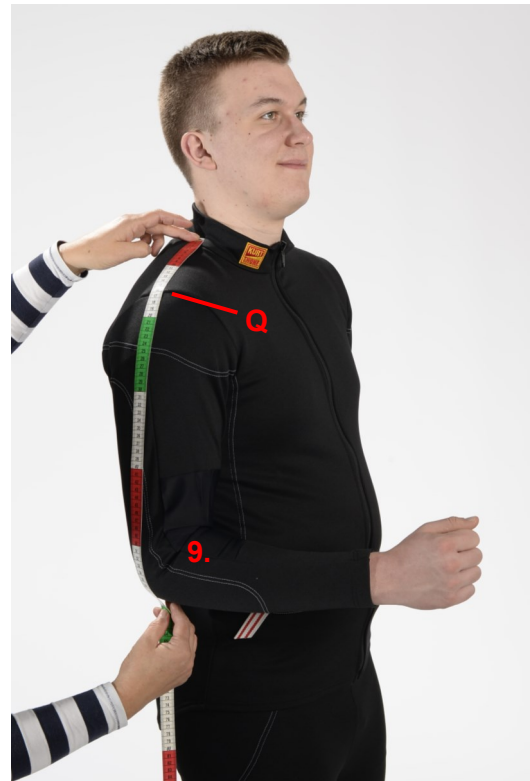
is measured all the way from the highest point of the shoulder (at the neck) to the Q-point (NOT from the edge of the sweater collar or from the presumed edge of the ready made jacket). Keep the measuring tape in the middle of the shoulder.



### 9. FROM NECK OVER Q-POINT TO BACK OF ELBOW POINT

is measured 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.

First take measurement 9 then...



...go on with the measuring tape to:

### 10. NECK/Q-POINT/BACK ELBOW POINT TO END OF FIST

Is measured all the way from the neck over the Q-point over the back of the elbow point to the end of the fist.



## 11. LENGTH OF THE BACK

Is from the highest point of the shoulder at the neck along the back to the middle of the thin waist measuring belt.

First take measurement 11 then...

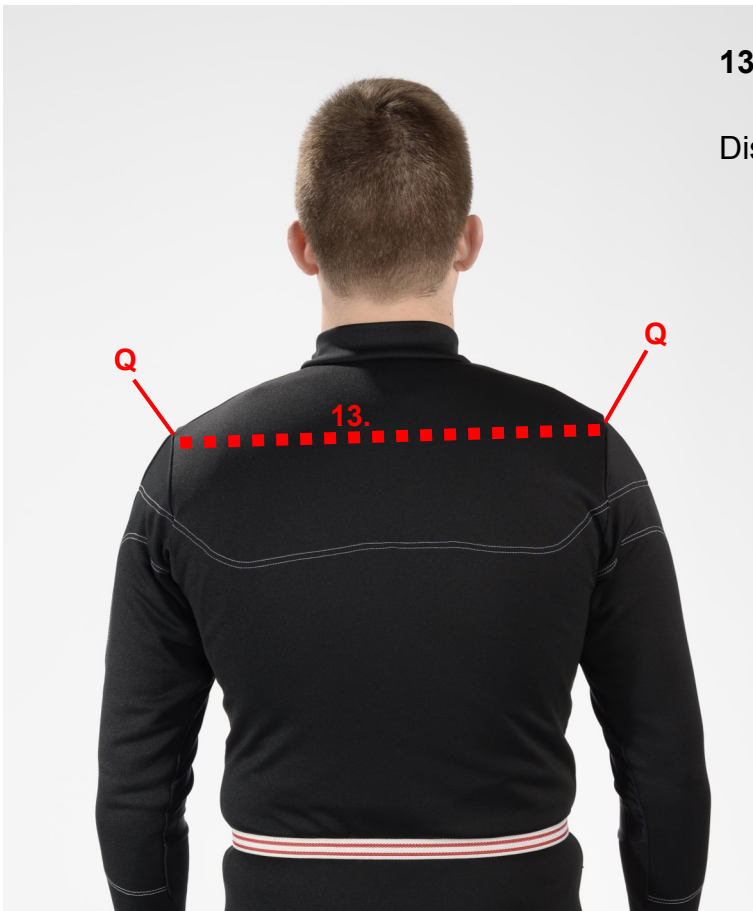
...go on with the measuring tape to:

## 12. LENGHT OF THE JACKET

The total length of the jacket is measured from the highest point of the shoulder at the neck along the back over the waist to the end of fists.

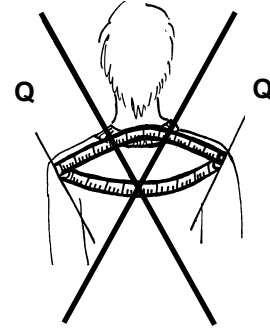
When reading the measurement 12 keep your eyes at the same height as the measuring point. If your eyes are on higher level the measure will be too short.





### 13. WIDTH BETWEEN Q-POINTS

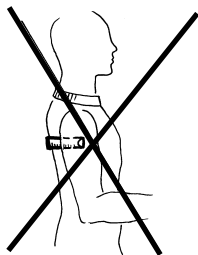
Distance between Q-points



When measuring width between Q-points control that the measuring tape is straight and NOT going over the neck or hanging down.

### 14. WIDTH OF BACK

The correct measurement is taken from the middle of the straight distance between Q-point and the armpit (red lines in the picture) over the highest point of the shoulder blades.



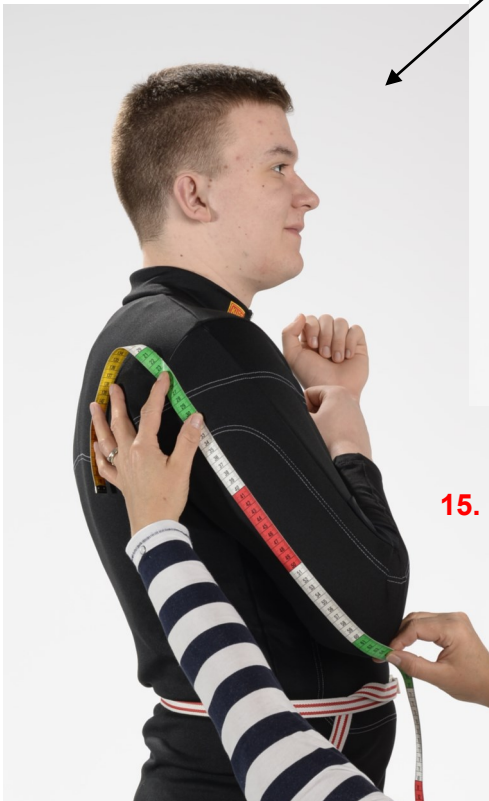
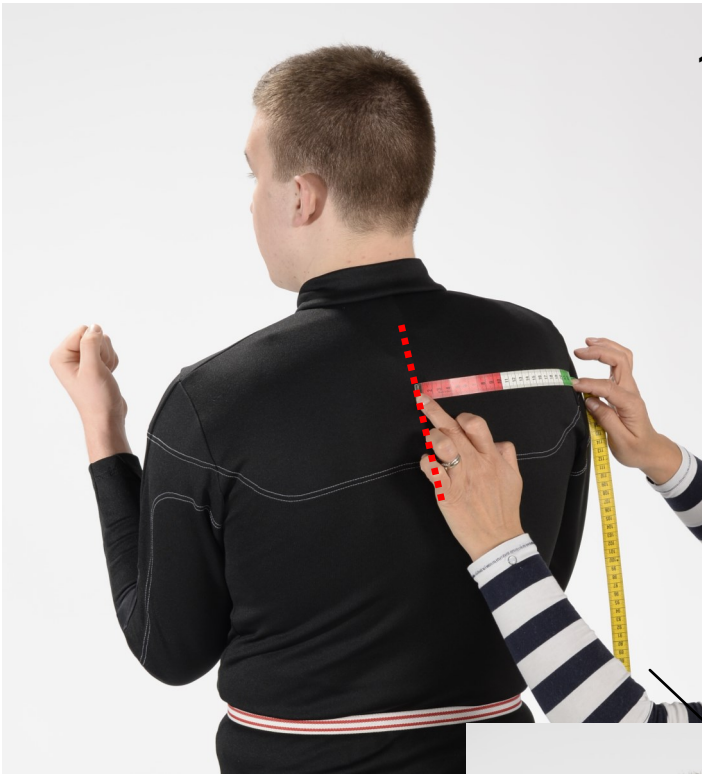
Width of back is NOT measured from under the armpits.



### 15. MIDDLE OF BACK TO BACK ELBOW POINT IN STANDING POSITION

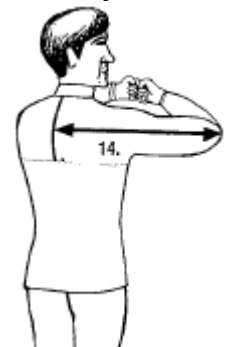
(for PRONE jackets see the picture below)

The shooter must keep his/her arms in standing shooting position. Start in the middle of the back at the spine 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.



15.

For PRONE jackets:



## PANTS



Mark the waist with the thin 'belt' which we provide.

When taking circuit measures have one (1) finger under the measuring tape.

### 2. AROUND WAIST

Measure the smallest circumference.

### 3. CIRCUMFERENCE 10cm UNDER WAIST LINE

Measure 10cm under the waist (measure A).

### 4. AROUND HIPS

Measure at the widest part of the hips. (However, not over the thighs).

Be sure to keep the measuring tape HORIZONTALLY when seen from the side.

### 4.a FROM WAISTLINE TO HIP

Measure height between waistline and horizontal hipline (measure 4)



### 2.a WMB

If you have the green Waist Measuring Belt (WMB) ask the shooter to close it the same way he/she closes his/her shooting pants: as tight and at the same height! Ask the shooter to try the WMB also in the standing shooting position because it helps him/her to find the right height and tightness. Use the WMB with the yellow measuring tape upwards.

WMB



### 17. AROUND THIGH

The circumference D is taken at the thickest point of the thigh.

### 18. INSEAM TO FLOOR WITH SHOOTING BOOTS ON

The measurement E is taken as shown in the picture following the leg from the height of the crotch point to the floor with shooting boots on.



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.



### 19. FROM WAIST TO FLOOR WITH SHOOTING BOOTS ON

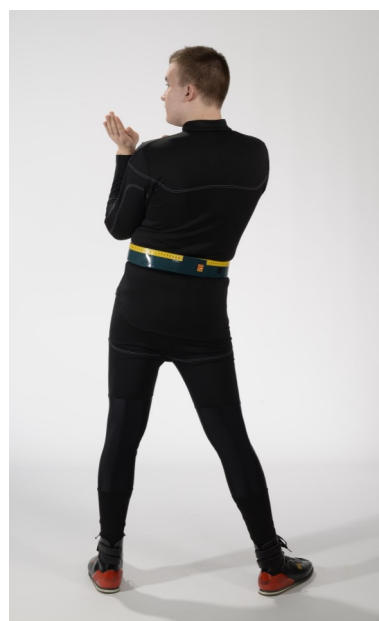
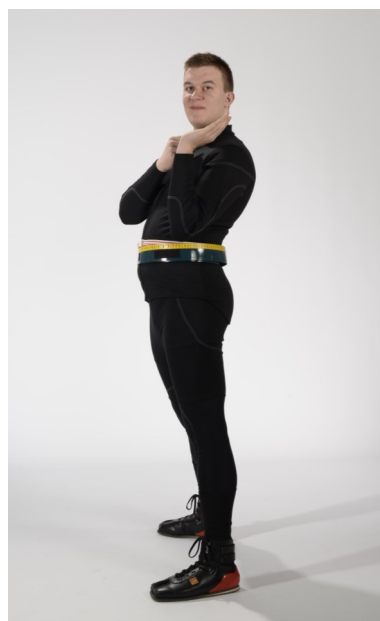
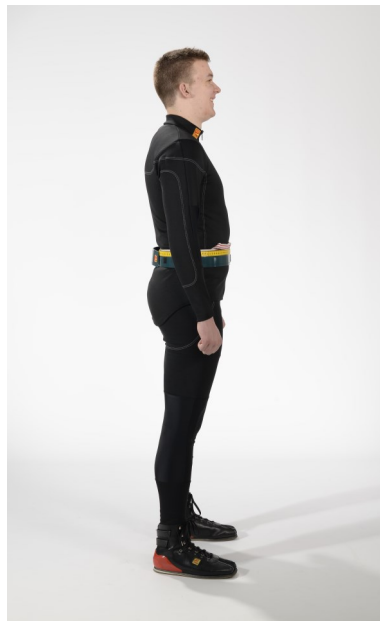
Measure from the middle of the green waist measuring belt following the form of the hips to the floor with shooting boots on. If you don't have the WMB then measure from the waist to the floor.



WITH EVERY MADE TO MEASURE ORDER WE NEED SIX PHOTOS OF THE SHOOTER IN TIGHT UNDERWEAR WITH THE MEASURING BELT(S) AND SHOOTING BOOTS ON:

- FRONT, PROFILE AND BACK.
- SAME IN STANDING SHOOTING POSITION (not needed for prone jackets).

SEE THE PHOTOS BELOW, THANK YOU!



Dear Sport Shooting Friend,

We thank you for taking time to study our MTM instructions. We thank Joni Stenström, Finnish National Team shooter, for helping us to inform how the world's best MTM shooting clothing should be measured.

Good Shooting!  
Kurt Thune, active shooter