

# HOW TO MEASURE SHOOTING JACKET AND SHOOTING PANTS



© 1.12.2000 OY TEEMA LINE LTD. These instructions are only valid for KT shooting wear. Other manufactures way may have other techniques which do not apply to our products.

## 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 feel unsure call your KT Dealer or, if you can't get in touch with her/him, our factory.

## OY TEEMA LINE LTD

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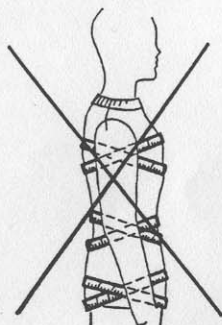


## JACKET:

### DO THIS WAY:

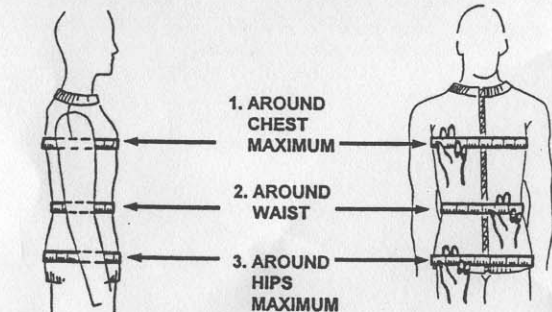
### TIPS:

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 two fingers under the measuring tape.

Be sure to keep the measuring tape HORIZONTALLY!



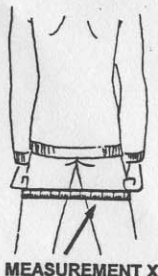
Always keep two fingers under the measuring tape.

- 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 around the natural waist line with the measuring tape kept straight.
- 3 AROUND HIPS is the circumference measured around the widest

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.

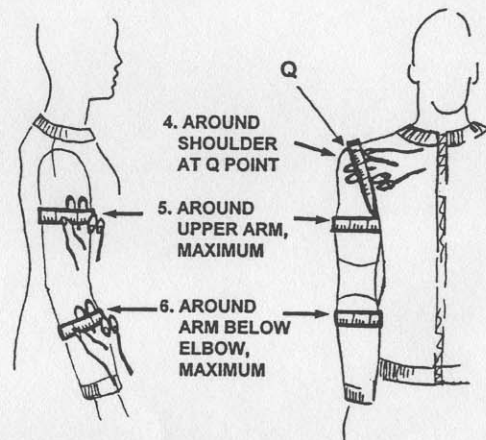
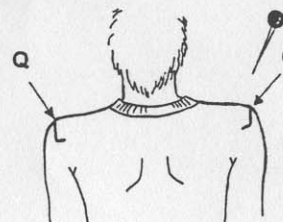
**MEASUREMENT X** is measured at the height of the fists when standing with arms straight. Write the X measurement at 'REMARKS' on the order form.



### 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.

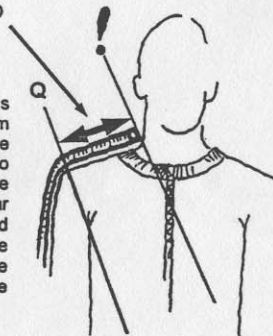


Measure with two fingers under the measuring tape:

- 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

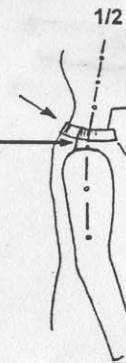
- 7 Measurement 7 is measured all the way from the highest point of the shoulder (at the neck) to the Q-point (NOT from the edge of the sweater collar or from the presumed edge of the ready made jacket). Keep the measuring band in the middle of the shoulder.



### TIPS:

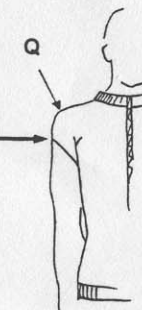
#### Observe!

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.

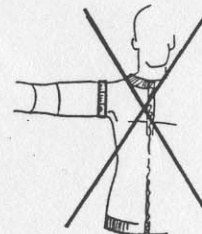


#### Observe!

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



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.

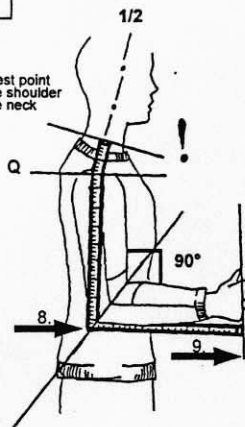


As the shooter often is tensed it's a good idea to tell him / her to RELAX the shoulders.

## DO THIS WAY:

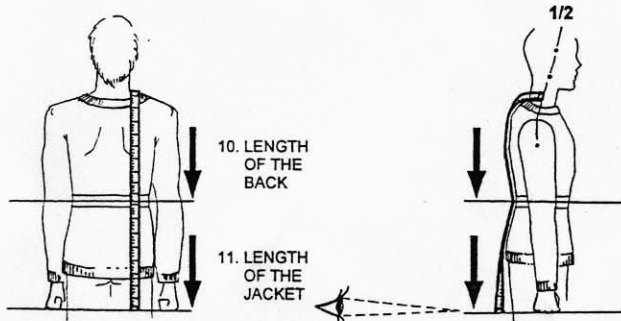
### 8 FROM NECK OVER Q-POINT TO ELBOW

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



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

Measure all the way from the highest point of the shoulder at the neck over Q-point and elbow to the end of 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 waist band.

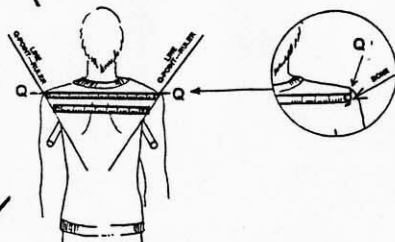
### 11 TOTAL LENGTH FROM NECK TO END OF FISTS WITH ARMS STRAIGHT (= length of the jacket)

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.

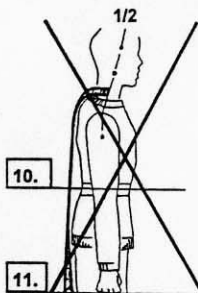
### 12 WIDTH BETWEEN Q-POINTS

### 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.



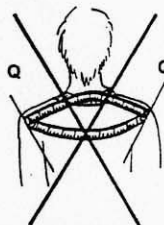
## TIPS:



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.



1/2

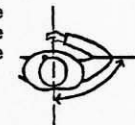


## DO THIS WAY:

### 14 MIDDLE OF BACK TO ELBOW IN STANDING POSITION

(NOT needed for PRONE jackets)

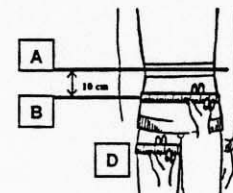
The shooter must keep his/her arms in standing shooting position. Start in the middle of the back at the backbone and measure horizontally over the highest point of the shoulder blade. Then continue along the middle of the back of the arm to the elbow point.



## PANTS:

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

### B CIRCUMFERENCE 10 cm UNDER WAIST LINE

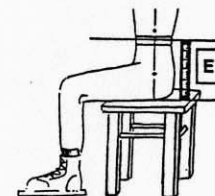


### D AROUND THIGH, MAXIMUM

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

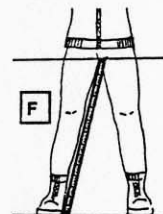
### E FROM SEAT TO WAIST WITH BACK STRAIGHT.

The measurement E is taken when the shooter is sitting back straight on a flat chair. Measure in the back from the middle of the waist belt to the seat.



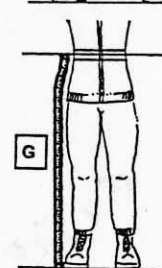
### F INSEAM TO FLOOR WITH BOOTS ON

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.



### G FROM WAIST TO FLOOR WITH 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:

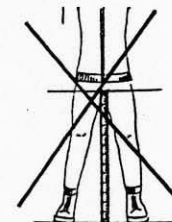
- ALWAYS MEASURE THE TRIGGER ARM!
- THE SHOOTER MUST HAVE THE ARMS IN STANDING SHOOTING POSITION.

When taking measurements A, B, C and D keep two fingers 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.





FOR OY  
TL LTD  
ONLY

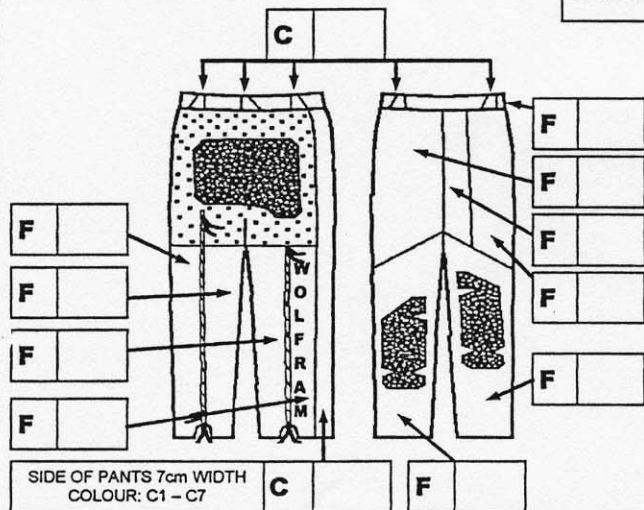
WRITE THIS WAY:

1 2 3 4 5 7 A B C G

= STIFF OFF-WHITE 1.2 mm CANVAS

### PROFESSIONAL CANVAS

I WANT STANDARD-COLOURS:

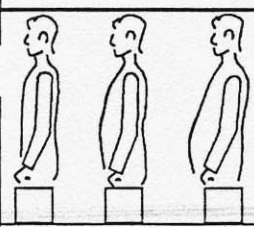
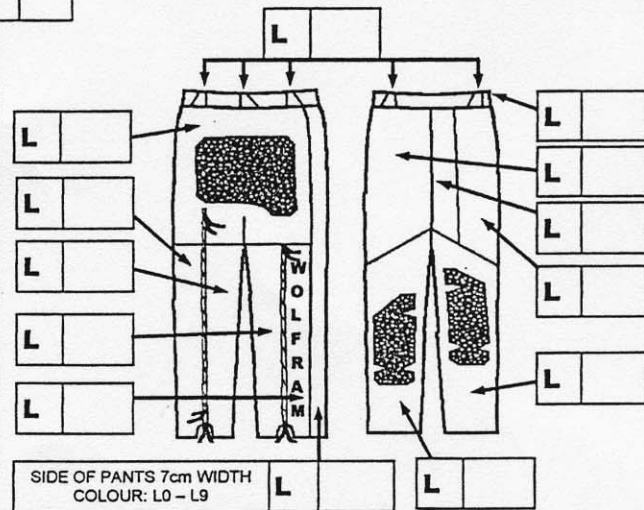


TEXT IN RIGHT, BACK LEG  
Max 8 letters from top to bottom.  
Letters are of leather.

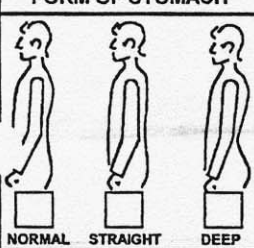
COLOUR: L

### PROFESSIONAL LEATHER

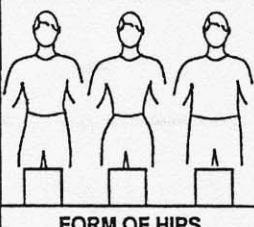
I WANT STANDARD-COLOURS:



FORM OF STOMACH

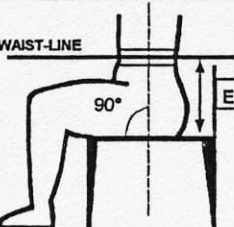
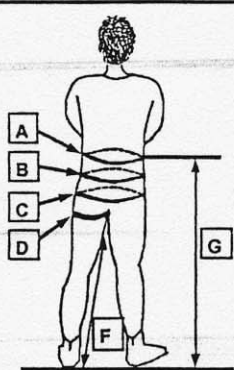


FORM OF BACK



FORM OF HIPS

**INSTRUCTIONS**  
MEASURE WITHOUT SHOOTING  
PANTS BUT ALWAYS OVER  
UNDERWEAR AND SHOOTING  
SWEATER



COLOUR	LEATHER	0,9 mm FABRIC CANVAS	CLARINO	PIPING MARK XI
WHITE	L0	—	—	—
BLACK	L1	F1	C1	—
GREY	L2	—	C2	—
RED	L3	F3	C3	—
PLUM	L5	—	—	—
BLUE	L6	F6	C6	—
BROWN	L7	—	C7	—
GREEN	L8	F8	—	—
YELLOW	L9	F9	—	—

RIGHT HANDED	MALE	HEIGHT	cm
LEFT	FEMALE	WEIGHT	kg
SHOOTER HAVE SHOOTING SWEATER	INSIDE OR OUTSIDE	SHOOTING PANTS	

↓ DO NOT WRITE HERE, PLEASE! ↓

WRITE MEASURES HERE cm	S	K	E
A. AROUND WAIST			
B. CIRCUMFERENCE 10 cm UNDER WAIST LINE			
C. AROUND HIPS, MAXIMUM			
D. AROUND THIGH, MAXIMUM			
E. FROM SEAT TO WAIST, WITH BACK STRAIGHT!			
F. INSEAM TO FLOOR WITH BOOTS ON!			
G. FROM WAIST TO FLOOR, WITH BOOTS ON!			

REMARKS (SPECIAL BODYBUILD or SHOOTING POSITION ETC.):

OY TEEMA LINE LTD REMARKS:  
KIRJ. \_\_\_\_\_ kpl.  
E. VÄRIT \_\_\_\_\_ kpl.  
LISÄTYÖ

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

ZIP CODE: \_\_\_\_\_ CITY: \_\_\_\_\_

COUNTRY: \_\_\_\_\_

PHONE HOME/WORK: \_\_\_\_\_

FAX HOME/WORK: \_\_\_\_\_

E-MAIL: \_\_\_\_\_

MOBILE PHONE: \_\_\_\_\_

**NB !!** ORDER IS NOT PROCESSED WITHOUT THIS  
INFORMATION ↓

I HAVE READ 'THE INSTRUCTIONS FOR MEASURING' AND  
MEASURED THIS PAIR OF PANTS, NAME (IN BLOCK  
LETTERS, PLEASE!):

SIGNATURE OF CUSTOMER:

YOUR DEALER: