

Fashion Measurements Manual



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1.INTRODUCTION

In an everlasting search for quality, this fashion measurements manual was developed in order to standardize the measurement process.

2. SCOPE

The aim of this manual is to orient suppliers, inspection companies, Quality Control and Technical Product Development teams about measuring processes adopted by Marisa. Any adaptation to measuring methods other than those exposed in this manual will be explained in measuring tables concerning the analyzed sample.

3. MEASUREMENT AND EVALUATION PROCESS

3.1 General conditions for the presentation of the piece to be measured

- Place the piece over a flat surface with greater measures than the product to be measured;
- Position the piece with the part to be measured facing up;
- Button up and zip up whenever available;
- •Use a measuring tape.

4. How to measure tops, shirts, jackets and dresses

A1. TOTAL FRONT LENGTH FROM HPS UNTIL BOTTOM Measure a straight line from the fold of the shoulder drop to the bottom.



A2. CENTER FRONT LENGTH UNTIL BOTTOM Measure a straight line from center front to the bottom, inform when any finishing is considered.



 $\mathsf{A3}.\mathsf{CENTER}\,\mathsf{BACK}\,\mathsf{LENGTH}\,\mathsf{UNTILL}\,\mathsf{BOTTOM}$ Measure a straight line from center back to the bottom, inform when any finishing is



A4. SIDE LENGTH .

This measure stands for the piece side lenght, usually useful for bodies and swimsuits, also suitable for asymmetrical pieces. Place the measuring tape on the armhole lower end and follow the seam to the bottom.



A5. FRONT BODY LENGTH FROM HPS UNTIL WAIST

Straighten the piece over the table, measure from HPS (fold of the shoulder drop) to the waist cutout. Suitable for dresses, overalls, blouses with waist cutouts.



A6. CENTER FRONT LENGTH UNTIL BOTTOM

Measure from center front in a upright line to the waist cutout. Inform when neck or collar finishings are considered.



A7. CENTER BACK LENGTH UNTIL WAIST

Measure the center back in a upright line to the waist cutout. Inform when neck or colar finishings are considered.



A8. FRONT LENGTH WITHOUT STRAPS UNTIL BOTTOM

Straighten the piece over the table and measure HPS, disconsidering the straps, drawing a upright line to the bottom. This measure is suitable for strapped blouses and dresses.



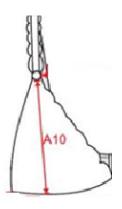
A9. FRONT LENGTH WITHOUT STRAPS UNTIL WAIST

Straighten the piece over the table and measure HPS, disconsidering the straps, drawing a upright line to the waist cutout. This measure is suitable for strapped blouses and dresses.



A10. CUP HEIGHT

Measure center cup height to the first seam. Measure the piece unstrained, disconsidering cup volume.





B1. ACROSS SHOULDER

Suitable for pieces with armholes and sleeves. Place the piece with the back facing up. Measure across the armhole and sleeve seam to the opposite side seam. For sleeveless pieces, measure from the upper armhole end to the opposite side, considering all finishings.



B2. ACROSS SHOULDER RELAXED

For pieces with shoulder elastic bands, off the shoulder blouses. Place the piece unstrained over the table with the elastic band overlaid and straight. Measure across the shoulder, no stretching.



B3. ACROSS SHOULDER STRETCHED

For pieces with shoulder elastic bands, off the shoulder blouses. Stretch the elastic band thoroughly and measure across the shoulder seam.



C1. ACROSS FRONT (__CM FROM HPS)

Define and inform height to measure across font (refer to height in the measure tables according to gender or age), draw a line from HPS to the default height and measure across the armholes. For tank tops, consider the finishing ends.

Measure for defining across front height	
FRUIT PARTY! Subsector	Height from HPS
Women	13cm
Plus Size Women	16cm
Men	16cm
Plus Size Men	18cm
Toddlers	7cm
Kids	8cm
Teens	11cm

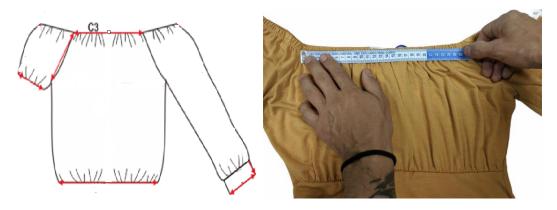
C2. ACROSS BACK (__CM FROM HPS)

For measuring across back, set the piece with the back facing up. Draw a straight line from HPS to the default height and measure across armhole seams. For tank tops with armhole finishings, consider the bias finishing ends.

Subsector Women 13cm Plus Size Women 16cm Men 16cm Plus Size Men 18cm Toddlers 7cm Kids 8cm Teens 11cm	Measure for defining across back	
Plus Size Women 16cm Men 16cm Plus Size Men 18cm Toddlers 7cm Kids 8cm	Subsector	
Men 16cm Plus Size Men 18cm Toddlers 7cm Kids 8cm	Women	13cm
Plus Size Men 18cm Toddlers 7cm Kids 8cm	Plus Size Women	16cm
Toddlers 7cm Kids 8cm	Men	16cm
Kids 8cm	Plus Size Men	18cm
	Toddlers	7cm
Teens 11cm	Kids	8cm
	Teens	11cm

C3. ACROSS FRONT - AT ELASTIC

Off the shoulder pieces with elastic band. Measure across front from the front armhole seam to the other, keeping the elastic unstrained.



C4. ACROSS BACK - AT ELASTIC

Off the shoulder pieces with elastic band. Measure across back from the back armhole seam to the other, keeping the elastic unstrained.

C5. FRONT WIDTH AT TOP EDGE

For jumpers, pinafore dresses and overalls. Measure front width across top edges considering any finishings.





C6. BACK WIDTH AT TOP EDGE

For jumpers, pinafore dresses and overalls. Measure back width across top edges considering any finishings or biases.



C7. ELASTIC BACK PANEL WIDTH

Measure elastic back panel pieces across seams keeping it unstrained.



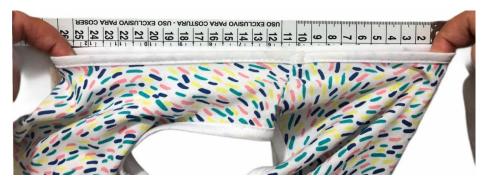
D1. NECK WIDTH

Place the piece over the table and measure in a straight line (for pieces with biased or ribbed finishings, measure across the edges, considering the inner part only). For shirts, polos and jackets with collar, set the collar up and measure at the collar and body seam. For other collars, measure at the seam disconsidering finishings.



D2. NECKLINE STRETCHED AT LEAST*

This measure should be registered last, as the neckline tension might alter the piece shape. The neckline must be stretched fully to test wearability.



D3. FRONT NECK DROP

Place the piece over the table, draw a straight line with a ruler or a measuring tape at neck width line and using the measuring tape, draw a straight line to the neckline finishing edge, finally measuring front neck drop. For pieces with a collar, frame at HPS to the collar and neck seam.



D4 BACK NECK DROP

Place the piece over the table, draw a straight line with a ruler or measuring tape at neck width and draw a straight line to the back neck finishing, defining depth.



D5. FRONT STRAPS DISTANCE

Measure the distance between front straps in a straight line keeping the piece unstrained.



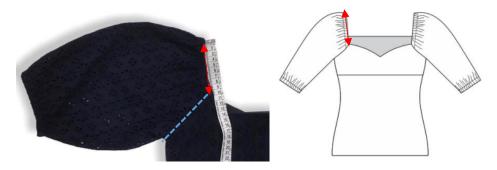
D6. BACK STRAPS DISTANCE

Measure the distance between back straps in a straight line keeping the piece unstrained.



D7. FRONT NECK DROP AT THE SLEEVE

For pieces with puffed sleeves or elastic neck, measure in a straight line keeping the piece unstrained.





D8. LOOP HEIGHT

Measure loop height.



D9.FRILL LENGTH

Measure frill lenght at seam or at the middle, informing where found.



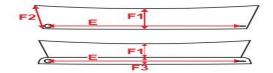
D10. BACK NECK WIDTH

For american style top pieces, measure from the armhole finishing edge across the other edge.



COLLAR LENGTH FROM CENTER BUTTON TO CENTER BUTTONHOLE

Measure from the button center to buttonhole center at collar band to define collar length circumference.



F1. COLLAR HEIGHT AT CENTER BACK

Measure a straight line from collar center to neck seam. If collar band is present, measure from collar edge to collar band seam.



F2. COLLAR POINT HEIGTH

Measure a straight line at collar point edge.



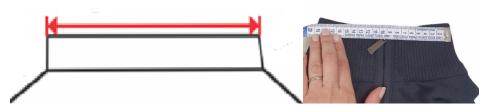
F3. COLLAR BAND HEIGTH AT CENTER BACK

Measure a straight line at collar band center from the collar seam to the neck seam.



F4. COLLAR OPENING OVERLAPPED

Measure turtleneck collar in a straight line.



G1. TOTAL STRAP LENGTH

Measure total strap length keeping it unstrained and considering any adjustments if present.



G2. STRAP WIDTH

Measure across strap edges.



H1. FRONT ARMHOLE (STRAIGHT)

For measuring the armhole, place the measuring tape at the fold of the shoulder drop and draw a straight line to the side seam. For raglan pieces with biased neck, measure from the neck finishing edge to the side seam. For pieces with different collars, measure in a straight line from the neck seam to the side seam.



H2. BACK ARMHOLE (STRAIGHT)

For raglan pieces, measure the back armhole in the same way as front armhole was measured. In biased neck pieces, measure from the finishing edge to the side seam. For pieces with different collars, measure in a straight line from the neck seam to the side seam.



11. UPPERARM WIDTH/ BICEP (2,5CM FROM ARMHOLE)

Measure a straight line 2,5cm from the armhole and sleeve seam.



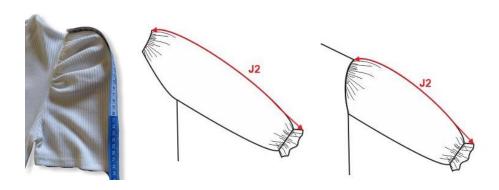
J. SLEEVE LENGTH

Measure from the armhole and sleeve seam, along the sleeve edge to the hem, considering the cuff or the hem finishing. For raglan pieces with biased neck, measure from the finishing edge to the cuff edge. For raglan with different collars, measure from the cutout to the cuff edge.



J2. PUFF SLEEVE LENGTH

Measure from the sleeve and armhole seam along the sleeve edge to the hem, considering the cuff or finishing.



K. ELBOW WIDTH (__CM FROM SHOULDER)

Refer to the following table for shoulder height and draw a straight line to find the elbow height.

Measure for elbow height	
Subsector	Height from the elbow
Women	30cm
Plus Size Women	30cm
Men	35cm
Plus Size Men	35cm
Toddlers	15cm
Kids	20cm
Teens	27cm

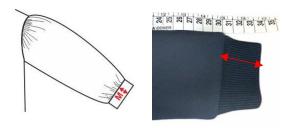
L. SLEEVE OPENING

Measure at the cuff edge. If the piece has an open cuff, measure it buttoned.



M. CUFF HEIGHT

Measure from the cuff edge to the sleeve seam.



N1. CHEST (2,5CM FROM ARMHOLE)

Measure a straight line 2,5cm below the armhole and side seam.



N2. CHEST (__CM FROM HPS)

For pieces with no armholes or with displaced armholes, measure in a straight line from the HPS refering to the following table.

Measures for chest height	
Subsector	Height from HPS
Women	From 30cm to 35cm
Plus Size Women	From 33cm to 38cm
Mens	From 33cm to 38cm
Plus size Men	From 38cm to 40cm
Toddlers	From 13cm to 18cm
Kids	From 18cm to 23cm
Teens	From 23cm to 28cm

O4. WAIST AT CUTOUT

Measure a straight line at cutout.



O5. WAIST (__CM FROM HPS)

Refer to the following table to measure waist height from HPS and measure in a straight line across edges.

Measures for Waist Height	
Subsector	Height from HPS
Women	40cm
Plus Size Women	50cm
Men	49cm
Plus size Men	50cm
Toddlers	24cm
Kids	30cm
Teens	36cm

O6. WAIST (__CM FROM ARMHOLE)

Refer to the following table to find waist height from armhole and measure in a straight line across waist edges.

Measure for waist height	
Subsector	Height from armhole
Women	17cm
Plus Size Women	22cm
Toddlers	12cm
Kids	13cm
Teens	16cm

O7. WAIST AT THE ARMHOLE END

This measure is useful for jumpers and pinafores without waist cutouts or waistbands. Measure a straight life across armholes.



Q2. HIP WIDTH (__CM FROM WAIST)

Refer to the following table to find hip height from HPS and measure in a straight line across edges.

Measure for hip height	
Subsector	Height from HPS
Women	58cm
Plus Size Women	70cm
Toddlers	36cm
Kids	45cm
Teens	54cm



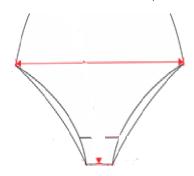
Q3. HIP WIDTH (__CM FROM ARMHOLE)

Refer to the following table to find hip height from armhole and measure in a straight line across edges..

Measure for hip height	
Subsector	Height from armhole
Women	38cm
Plus Size Women	40cm
Toddlers	23cm
Kids	29cm
Teens	34cm

Q4. HIP IN THE SIDE END (LEG OPENING)

For bodies and swimsuits, measure the hip across the leg opening top edges.



R3. FRONT GUSSET HEIGHT

This measure is suitable for bodies and swimsuits. Measure the height from the cutout at the center from the cutout or closing to the lower edge.



W2. HEM/BOTTOM (TOPS, SKIRTS AND DRESSES)

Measure along the edge keepin it unstrained.



W3. HEM/BOTTOM STRETCHED (TOPS, SKIRTS AND DRESSES)

Measure along the hem edge when fully stretched. Suitable for elastic hems.



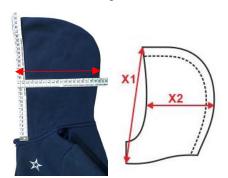
X1. FRONT HOOD HEIGTH

Measure in a straight line from the top edge to the neck seam.



X2. CENTER HOOD WIDTH

Measure in a straight line from the hood center across edges.



20.1 How to measure bottoms: pants, skirts, and shorts

A2. CENTER FRONT LENGTH UNTIL BOTTOM

Measure in a straight line from the waistband edge to the skirt center front bottom.



A3. CENTER BACK LENGTH UNTILL BOTTOM

Measure in a straight line from the waistband edge to the skirt center back bottom.



A4. SIDE LENGTH (BODY)

Measure from the waistband edge to the bottom. Suitable for skirts and shorts.



O1. WAIST OVERLAPPED

Overlap piece edges and measure it straight along the edge, keeping it unstrained.



03. WAIST STRETCHED

This measure should be noted when the piece has a elastic waistband. It must be at least 2cm wider than the model minimum hip measure for a suitable fit. To get this measure, the waistband must be stretched to its full capacity and measured along the edge.



P. WAISTBAND HEIGHT

The waistband must be measured from the edge to the lower seam, disconsidering backstitches, just the edges.



Q1. HIP WIDTH (__CM FROM WAIST)

The hip height can vary greatly, depending from the lenght where the waist will fit the model. Therefore, refer to the following table to find the measure for hip height and measure across edges to find hip width.

Measure for waist height	
Subsector	Height from waist
Women	17cm Medium waist – 20cm High
	waist – 22cm clochard
	20cm Medium waist – 22cm high
Plus Size Women	waist - clochard
Men	20cm
Plus size Men	22cm
Toddlers	12cm
Kids	14cm
Teens	17cm

R1. FRONT RISE

The front rise is measured from the waist edge to the back rise seam, placing the measuring tape along the curve keeping the piece unstrained.

R2. BACK RISE

The back rise is measured the same way as front rise, from waist edge to the front rise seam, along the curve keeping the piece unstrained.

R3. ZIPPER LENGTH

The zipper's main function is to improve the piece wearability. It must be measured along its opening.



S. THIGH (3CM FROM CROTCH)

This measure can only be done if the piece has over 4cm inseam length for shorts. To find the thigh in pants or shorts, stretch the piece until inseams are aligned, then place the measuring tape from the rise seam and follow along the inseam to the hem. Note the 3cm for thigh height and draw a straight line across edges to measure thigh width.

S2. MIDDLE THIGH (__CM FROM CROTCH)

To find the half thigh in pants or shorts, stretch the piece until inseams are aligned, then place the measuring tape from the rise seam and follow along the inseam to the hem, Referring for height at the following tables. After setting the height, draw a straight line across edges to measure half thigh width.

Measure for middle thigh height	
Subsector	Height from rise seam
Adult Women and Men	15cm

Measure for middle thigh from rise seam for Children - Sizes									
1	2	3	4	6	8	10	12	14	16
5cm	6cm	7cm	8cm	9cm	10cm	11cm	12cm	13cm	14cm

U. KNEE (__CM FROM CROTCH)

To find the knee in pants or shorts, stretch the piece until inseams are aligned, then place the measuring tape from the rise seam and follow along the inseam to the hem, Referring for height at the following tables After setting the height, draw a straight line across edges to measure knee width

Measure for knee height					
Subsector	Height from rise seam				
Adult Women and Men	35cm				

Measure for knee from rise seam for Children - Sizes									
1	2	3	4	6	8	10	12	14	16
11cm	13cm	15cm	17cm	21cm	24cm	28cm	30cm	31,5cm	33cm

U3. CALF (CM FROM CROTCH)

To find the calf in pants or shorts, stretch the piece until inseams are aligned, then place the measuring tape from the rise seam and follow along the inseam to the hem, Refering for height at the following tables After setting the height, draw a straight line across edges to measure calf width.

Measure for calf height					
Subsector	Height from rise seam				
Adult Women and Men	48cm				

V1. INSEAM LENGTH

To measure the inseam in pants or shorts, stretch the piece until inseams are aligned, then place the measuring tape from the rise seam and follow along the inseam to the hem. For pieces with frayed hems, the measure must go up to the safety seam, disconsidering fray. For piece with folded hems, measure from the rise seam to the fold edge.





W1. HEM/ LEG OPENING

The leg opening must me measured along the piece's edge. In case of irregular or asymmetrical hems, place the measuring tape from the shorter part and draw a straight line across to the opposite edge. For shorts with round or assymetrical hems, measure it straight along edges. For irregular hems, measure it straight.



Z1. TOTAL BELT/DRAWSTRING LENGHT

Measure at the belt or drawstring along the edges, considering adjustments and disconsidering trims such as rings, buckles or adornments. Consider the belt fabric only.



Z2. BELT HEIGHT

Measure belt height in a straight line across edges, disconsidering backstitches.

Z3. BELT/DRAWSTRING LENGHT (SIDE OR FIXED)
This measure stands for a piece with a fixed belt or drawstring, seamed at the side or another place. Measure it from the seam to the edge.

