



ADJUSTING TROUSERS

based on the DINAH pattern:

Blending between sizes

Blending between sizes

Example: You look at the size chart and realise you need are a size 3XL for the waist and size XL for the hips. You also have muscular calves and want your trousers to measure 43cm / 17in at calf height.

We will explore the necessary adjustments one at a time. First, the transition between waist and hip, then the adjustment of the leg.

1. Transition from waist to hip

At the waist height, you choose size 3XL, but you will gradually narrow the line, so that it blends with the XL size at the hip.

We all have a different distance between the waist and

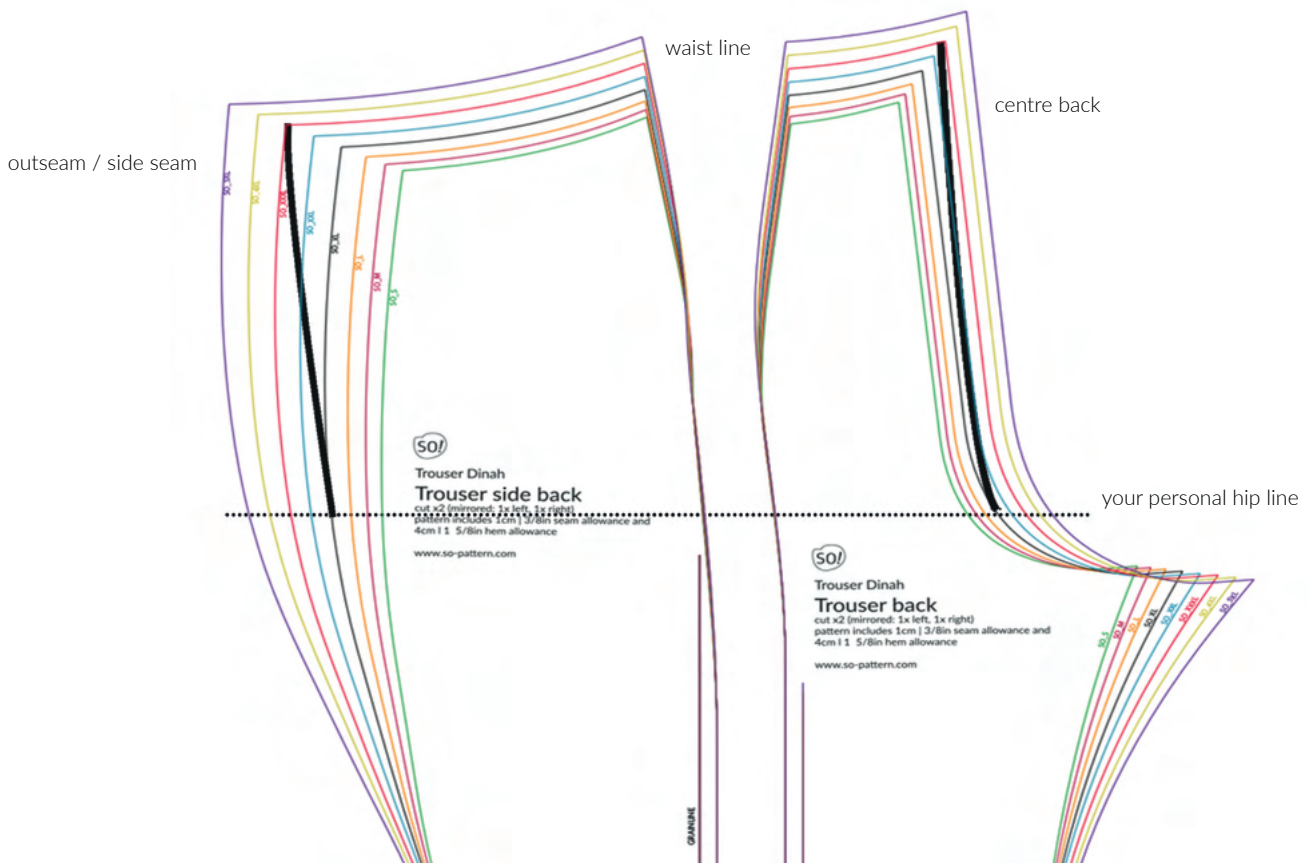
the hip (could be as low as on the top of the thighs). Find the widest part of your body (= your hip line) and tie an elastic band around it. Now measure from the waist to your hip line and make sure that you hit the hip line on the pattern at the same distance from the waist line.

The DINAH pattern has an additional seam in the middle of the back

Back

Blend between sizes along the outseam/side seam.

Do the same at centre back.





ADJUSTING TROUSERS

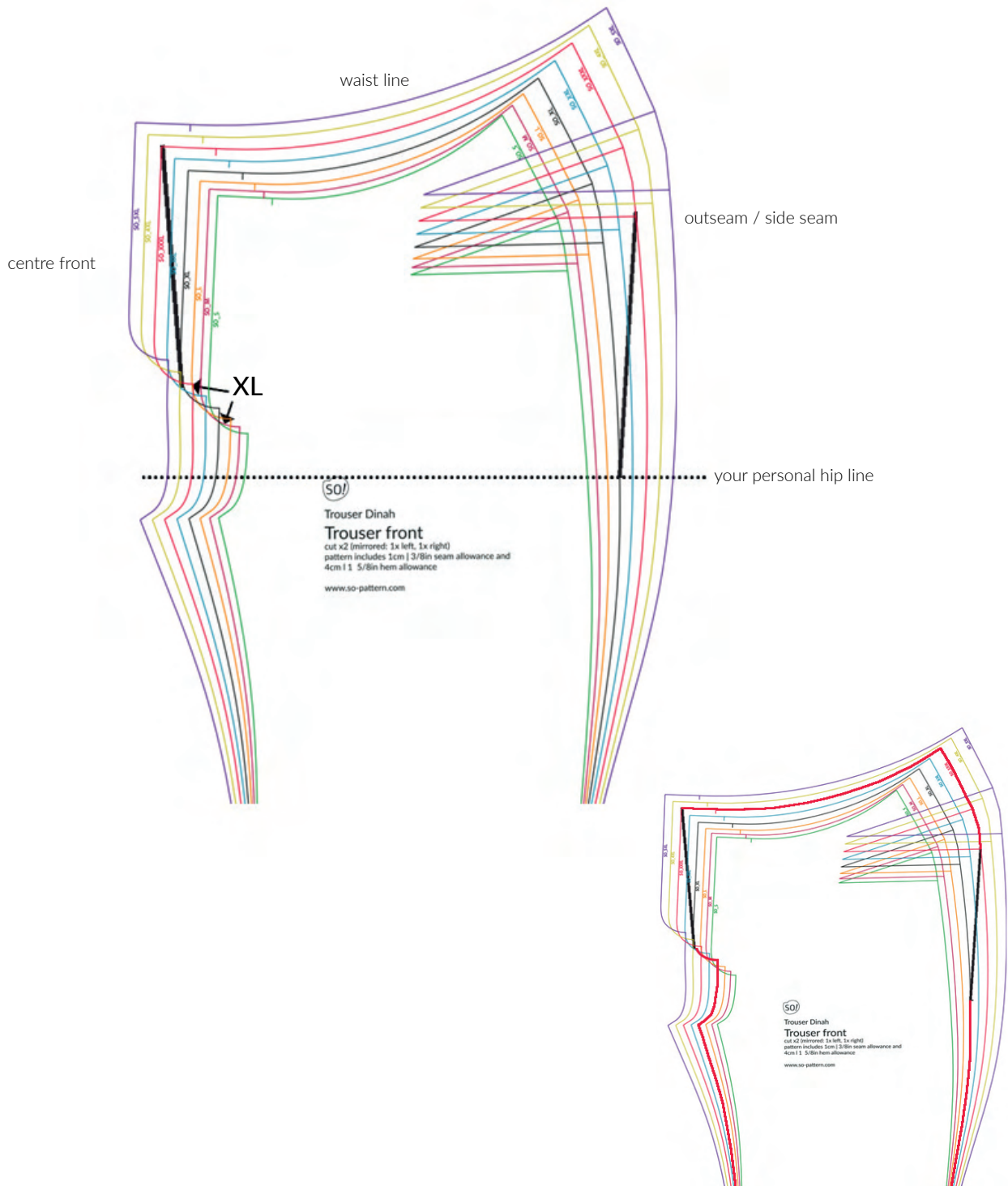
based on the DINAH pattern:

Blending between sizes

Front

At the outseam/side seam, the transition between sizes starts underneath the dart and blends with the second size at the height of your individual hip line.

At centre front, you blend from the waist line (3XL) to the top of the fly shield curve (XL).





ADJUSTING TROUSERS

based on the DINAH pattern:

Blending between sizes

2. Adjusting trouser leg for calf width

First off, let's make some calculations.

When you measure the pattern at calf height, you can see that the finished trousers will have a circumference of 39cm / 15 3/8in. If we allow for 10% stretch in the fabric, you can still fit a calf of 43cm / 17in into the trouser legs.

However, you may not like a tight fit at the calf and the actual discrepancy between your measurement and the pattern might be bigger than above. So let's see how we adjust the trousers to get a circumference (without including the stretch factor) of 43cm / 17in.

The calculation:

Required width 43cm / 17in

take away width of pattern 39cm / 15 3/8in

= 4cm / 1 5/8in

Hence, each leg needs to be widened at the calf by 4cm / 1 5/8in in total.

We need to adjust the inseam and outseam/side seam symmetrically, to avoid distorting the trouser leg. Find the calf height, then add the additional width. Next, draw lines either side parallel to the existing pattern edges and blend the line at the top end into your required size (in our example the XL).

Front outseam/side seam plus 1cm / 3/8in

Front inseam plus 1cm / 3/8in

Back outseam/side seam plus 1cm / 3/8in

Back inseam plus 1cm / 3/8in

This gives us a total expansion of 4cm / 1 4/8in.

(It doesn't quite work in inches, but that is because the original calculation was made in cm and we converted the cm to the closest inch... Stick to either cm or in and you won't have any trouble.)

The DINAH pattern has an additional seam in the middle of the back leg. You do NOT need to adjust this seam.

