

YOUR JAC 40 is extremely simple to operate. Be sure to read all the instructions below and follow them step by step.

- 1) The tips of your fingers should touch the plastic parts only. Your right thumb is always on the lever.
- 2) Press the lever softly backward as far as it will go. All the 40 selector pins will appear at the top.
- 3) With your right forefinger, snap the lever forward and all the 40 selector pins will protrude at the bottom of the case, like a comb. Repeat this operation several times.
- 4) The Pattern is produced by the punched card which must be introduced into the slit on the back of the Jac, taking care that the arrow on the card is exactly in line with the arrow on the Jac, and that the side perforations which help to move the card forward engage with the red conveyer wheels.
- 5) Turn both wheels approximately 3/4 inch in direction of the arrows.
- 6) Your JAC 40 is now turned in such a way that the right thumb is again resting on the lever. Every time you shift the lever, the card advances by one row. Please remember that the tips of your fingers should only touch the plastic parts on the sides. In this way, only the card can move freely.

After having shifted several times, you will note in the tiny window on the left, beside the inscription "Reihe", the figure 1.

- 7) You really could start with your pattern knitting now. However, the first time it is advisable to shift the card to its very end, holding the Jac with your fingertips, pressing the lever softly down with your right thumb and snapping it forward again with your forefinger. Everytime you do this, the Pattern Card advances by one row.

You will note that in the window on the left, the rows are counted while the window on the right with the inscription "Souffleur" shows figures and letters indicating the next movement on your Knitting Machine.

- 8) After the last row (or if necessary before), press the lever backward and leave it there. Now with both thumbs, push the pattern card evenly out of the JAC in the direction of the arrows.
- 9) All the JAC 40 Patterns can be made wider or longer. You may produce knitted patterns in any desired dimension. Row 1 of each card is coordinated to the last row of the Pattern. Usually the Pattern is a multiple of 40 stitches. Sometimes however, a Pattern will use a multiple of a lesser number.

Look at the top right hand corner of your Pattern card and find the word "Breite" (width) - Whatever number follows this word will be the multiple of that particular pattern.

The correct continuation of the Pattern in the width is facilitated by the little red guide foot in the middle on the back of the JAC. For the selection of the needles on your machine, the JAC 40 is always placed in the same spot of the needle bed, which means that the red guiding foot is always inserted in the same needle channels. The distance between them corresponds with the width of the Pattern.

FOR EXAMPLE: If after the word "Breite" the number 40 appears, Put the little red guide indicator on 0 on your machine, then 40 and then 80 to either side of your needle bed. If the number is 38, Your guide will start on 0 then move to 38 and then 76 etc. to either side of your needle bed. If the number is 36, again start at 0 and move the guide to 36 and then 72 etc. to either side of your needle bed.

Of course, these are general instructions and when you are working on a garment from printed instructions and they instruct you to start your pattern at a given point (as a border design) then follow those instructions as to where to begin your JAC 40 design.

10) Explanation of the Marks in the "Souffleur" Window on right-hand side.

For Patterns Using Special Holding Position:

Souffleur / 2 / After needle selection knit 2 rows.

Souffleur / 1 / Knit one row even (no pins protruding from JAC.)

Jacquard Patterns Using Holding Position:

Souffleur / 2A / After the selection of needles knit 2 rows with Color A.

Souffleur / 3E / After the selection of needles knit 3 rows with Color E.

Souffleur / 6A / Knit 6 rows even with Color A (no pins protruding from Jac).

For Norwegian Patterns:

Souffleur / AE / After selection of needles lay first color A over needles in working position. Knit across. Now lay Color E over remaining needles and knit across.

Souffleur / 2A / Knit 2 rows even with Color A (no pins protruding from JAC).

11) WHAT MISTAKES CAN YOU MAKE WITH YOUR JAC 40?

Not many! The worst that can happen is when you do not introduce the Pattern Card straight, or you hold it too tightly when shifting so that it cannot move on one side. But this has been taken care of in advance. In this case, you slightly lift the outer tin cap and strip it off by pulling downward. Now you can remove the Pattern Card. When reassembling, take care to lift the tin cap across the little red wheels which in no case can be turned in opposite direction to the arrows.

SPECIAL NOTES:

Holding Position Catch Patterns Using One Color (Fangtechnik)

1. With your JAC 40, bring the needles for the Pattern into Holding Position.
2. Knit as many rows as indicated in the window marked "Souffleur." (Dial-a-stitch Machines may push down OUTER retractor knob on the last row - then release retractor knob.)
3. Bring all the needles back into knitting position. Shift your JAC. (Dial-a-stitch Machines - Omit step 3.)
4. Repeat steps 1 to 3.

Holding Position Jacquard - Catch Patterns (Jacquard Fangtechniek) for two or more colors.

1. With your JAC 40 bring the needles for the Pattern into Holding Position.
2. Knit as many rows as indicated in the window marked "Souffleur" left of the color. (Dial-a-stitch Machines may push down OUTER retractor knob on the last row, then release retractor knob.)
3. Bring all the needles back into knitting position. Shift your JAC. (Dial-a-stitch Machines - Omit Step 3,)
4. Repeat Steps 1 to 3.

Using 2 Colors in One Row

Row 1. Set up Pattern. Both Control knobs up.
Knit to left side with color A.
Take Cam back to right side without yarn.
Push down right control knob.
Push holding position needles into work position.
Knit to left side with color E.

Row 2. Set up Pattern.
Pull up both control knobs.
Knit to right side with color A.
Take Cam back to left side without yarn.
Press down left control knob.
Push holding position needles into work position.
Knit to right side with color E.

REPEAT ROWS 1 and 2.

Using 3 Colors in One Row

Row 1. All needles in hold position.
Set Jac Pattern to row 1.
Put red indicator of your Jac on 0 so that the selector pins are in front of needle heels.
Push the selected needles into work position, both control knobs up.
Knit to left side with first color.
Take Cam back to right side without yarn.
Shift your Jac - Push the selected needles into work position, both control knobs up.
Knit to left side with second color.
Take Cam back to right side without yarn.
With a ruler, put all remaining needles in hold position into work position.
Press down right control knob.
Knit to left side with third color.

Row 2. All needles in hold position.
Shift your Jac.
Push the selected needles into work position, both control knobs up.
Knit to right side with first color.
Bring Cam back to left side without yarn.
Shift your Jac.
Push the selected needles into work position, both control knobs up.
Knit to right side with second color.
Take Cam back to left side without yarn.
Press down left control knob.
Put all remaining needles in hold position into work position.
Knit to right side with third color.

REPEAT ROWS 1 and 2.

To prevent holes in your design - When 1 color on a row ends within body of knitting instead of at end.

Set up Pattern for next row.

Wrap the yarn that is hanging within body of knitting around a needle to one side (behind latch) being sure it is the first needle in KNITTING POSITION and holding the ALTERNATE color.

If the yarn is on the right side - wrap it counter clockwise.

If the yarn is on the left side - wrap it clockwise.

Using 2 Colors in One Row

Row 1. Bring up Pattern. Both control knobs up and retractor buttons up.
Knit to left side with Color A.
Press down left retractor button, take Cam back to right side without yarn.
Release retractor button. Press down right control knob.
Knit to left side with Color E.

Row 2. Put thumb on lever of Jac and roll pattern to next row.
Bring up Pattern. Both control knobs and buttons up.
Knit to right side with Color A. Press down right retractor button and take Cam back to left side without yarn.
Release retractor button. Press down left control knob and knit to right side with Color E.

REPEAT ROWS 1 and 2.

Using 3 Colors in One Row

Row 1. With Needle Shifter, put all needles into holding position.
Set Jac Pattern to row 1.
Put the red indicator of your Jac on 0 so that the selector pins are in front of the needle heels.
Push the selected needles into work position, both control knobs up.
Knit to the left side with first color.
Take Cam back to right side without yarn.
Shift your Jac.
Put red indicator of Jac on 0 as before and push the selected needles into work position. Both control knobs up.
Knit to left side with second color.
Left retractor button down, take Cam to right side without yarn.
Release retractor button, push down right control knob.
Knit to left side with third color.

Row 2. With Needle Shifter, put all needles into holding position.
Set Jac Pattern to row 2.
Push into work position first set of needles, both control knobs up.
Knit to right side with first color.
Take Cam back to left without yarn.
Shift your Jac.
Put red indicator of Jac on 0 as before and push the selected needles into work position, both control knobs up.
Knit to right side with second color.
Right retractor button down, take Cam to left side without yarn.
Release retractor button, push down left control knob.
Knit to right side with third color.

REPEAT ROWS 1 and 2.

To prevent holes in your design - When 1 color on a row ends within body of knitting instead of at end.
Set up Pattern for next row.
Wrap the yarn that is hanging within body of knitting around a needle to one side (behind latch) being sure it is the first needle in KNITTING POSITION and holding the ALTERNATE color.
If the yarn is on the right side - wrap it counter clockwise.
If the yarn is on the left side - wrap it clockwise.

AM 3 KNITTING DIAL-A-STITCH MACHINE
JAC 40 NORWEGIAN DESIGN INSTRUCTIONS

Using 2 colors in One Row

- Row 1. Bring up Pattern. Both control buttons pushed back (away from you) and retractor buttons up. See illustration on page 8 of instruction book.
Knit to left side with Color A.
Press down left retractor button, take Cam back to right side without yarn.
Release retractor button. Push forward (toward you) right control button.
Knit to left side with Color E.
- Row 2. Put thumb on lever of JAC and roll pattern to next row.
Bring up Pattern. Both Retractor buttons up and control buttons back. Knit to right side with Color A. Press down right retractor button and take Cam back to left side without yarn.
Release retractor button. Push forward left control button and knit to right side with Color E.

Repeat ROWS 1 (from right side) and 2 (from left side).

Using 3 colors in One Row

- Row 1. With Needle Shifter, put all needles into holding position.
Set JAC Pattern to row 1.
Put the red indicator of your JAC on 0 so that the selector pins are in front of the needle heels.
Push the selected needles into work position, both control buttons back.
Knit to left side with first color.
Take Cam back to right side without yarn.
Shift your JAC.
Put red indicator of JAC on 0 as before and push the selected needles into work position. Both control buttons back.
Knit to left side with second color.
Left retractor button down, take Cam to right side without yarn.
Release retractor button, push forward right control button.
Knit to left side with third color.
- Row 2. With Needle Shifter, put all needles into holding position.
Set JAC Pattern to row 2.
Push into work position first set of needles, both control buttons pushed back.
Knit to right side with first color.
Take Cam back to left without yarn.
Shift your JAC.
Put red indicator of JAC on 0 as before and push the selected needles into work position, both control buttons pushed back.
Knit to right side with second color.
Right retractor button down, take Cam to left side without yarn.
Release retractor button, push forward left control button.
Knit to right side with third color.

REPEAT ROWS 1 and 2

To prevent holes in your design - When 1 color on a row ends within body of knitting instead of at end.
Set up Pattern for next row.
Wrap the yarn that is hanging within body of knitting around a needle to one side (behind latch) being sure it is the first needle in KNITTING POSITION and holding the ALTERNATE color.
If the yarn is on the right side - wrap it counter clockwise.
If the yarn is on the left side - wrap it clockwise.