JUST EMBROIDER IT!

Continuous Border Embroidery using Multi-Hooping and Templates

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Getting Started ▪ **Methods of Placement** ▪ **Printing a Template**

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GETTING STARTED

Creating a border necessitates very precise placement of the designs, and will require more than one hooping if the border is longer than what will fit in your largest hoop. This eBook will walk you through the steps to successfully multi-hoop your embroidery designs.

METHODS OF PLACEMENT

ENDLESS EMBROIDERY

There are several different ways to accomplish this task. The BERNINA 7 and 8 Series sewing and embroidery machines have Endless Embroidery. Endless Embroidery is a feature that has the ability to set the number of repeats desired for the particular hoop that you are using. Designs can be resized so that the number will be stitched in one hoop. Guide stitches are created so you can easily join more than one hooping together to form a larger design.

EMBROIDERY SOFTWARE

BERNINA Embroidery Software 7 DesignerPlus allows the user not only to create a large design by using more than one design or design element and adding registration marks, but to resize an individual design beyond the limits of the hoop. The software will then split the design into separate parts that will stitch out separately but will appear seamless.

TEMPLATE METHOD

The focus of this eBook will be on how to use printed paper templates to create a long continuous border. This method works with any machine but will require the use of a printer and embroidery software for printing the templates. If you do not currently have either BERNINA Embroidery Software 7 DesignerPlus or EditorPlus, download the free BERNINA ArtLink Software. This software will allow you to resize designs as well as to print templates.

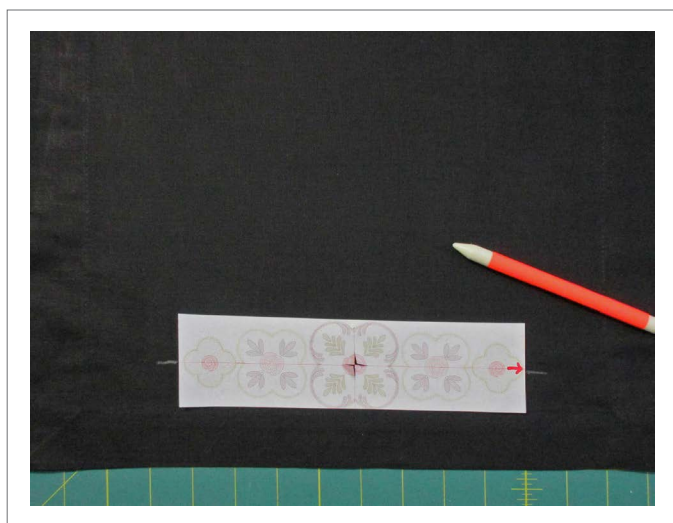> ## Download BERNINA ArtLink software by clicking here:
>
> http://www.bernina.com/en-US/Products-us/BERNINA-products-us/Software-5/BERNINA-embroidery-software-us/ArtLink-Six-en

Determining the placement for a single design is an easy task to accomplish using printed paper templates as discussed in the **eBook Embroidery Placement.**

Determining the placement for a continuous border is much the same, but involves more planning and a few more steps.

Choose the border design you wish to use and print out the number of templates you think you might need. This eBook will showcase Design #82015-38 from the **BERNINA Exclusive Design Collection #82015 Beloved Heirlooms.**

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PRINTING A TEMPLATE

- An easy and accurate way to get a template of the actual design is to use embroidery software to print your own. You will need a computer and printer as well as embroidery software.

- The specific steps for printing a template using ArtLink software can be found in the **ArtLink Basics eBook**. BERNINA Embroidery Software Designer Plus and Editor Plus steps will be very similar. Remember when printing templates from the software, your printer also needs to be set to properly print at the correct size. Any page scaling or page fitting options in your print dialog box must be turned OFF or set to NONE so that your files will print out at their actual size. Images not printed at actual size will not function as intended.

- Immediately after printing the paper templates, draw an arrow at the top of the design. This is a must if the design is not symmetrical.

- Cut around the templates. You can cut around the templates roughly or use a rotary cutter and ruler if you wish. Using a rotary cutter, cut slits equal distant from the center line on both sides of the design.

- Place one template on the item (in this case a table runner) to determine how far from the edge you would like the design should be.

- Measure the distance from the center of the design to the edge of the table runner.

- Draw a line this distance around the entire perimeter of the table runner.

- Place the templates so that they are end to end starting at one marked end.

- It is more than likely that all the elements will not fit precisely inside the area to be embroidered.

  There are two options to correct this:

  1) spread the designs out leaving space between each design or

  2) resize the design to fit the given area.

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## OPTION 1: SPREAD DESIGNS APART

- This is certainly the easiest and quickest option. Place one template at one end at the marked starting line, and another template at the opposite marked line. Then place additional paper templates between the two leaving the same amount of space between the designs.
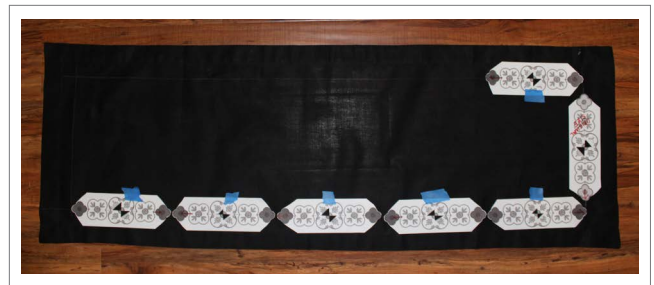
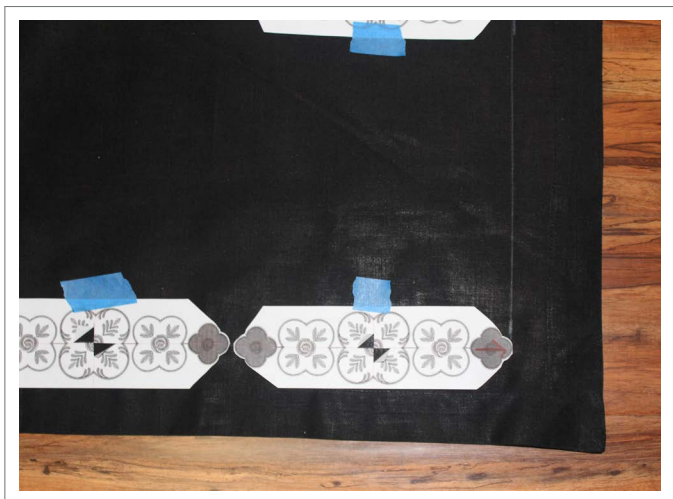## OPTION 2: RESIZE THE DESIGNS TO FIT

- Precisely measure the area for the border from end to end. Use a measuring tape with millimeters for the most accurate results. In this particular case that measurement is 1,000mm.

- Determine the number of repeats you would like. (Five repeats are used in the example.)

- Divide the measured distance by the number of repeats. This will be the **maximum** size that each design should be and gives no room for error. This will place the ends of the designs so that they are touching. To gain a bit more wiggle room, reduce the size by another two to four millimeters. The designs will be spread apart just a tiny bit.

- In this particular case, 1,000mm divided by 5 equals 200mm. Each design should be no more than 200mm in length. Reduce that number by 4mm making these designs 196mm in length.
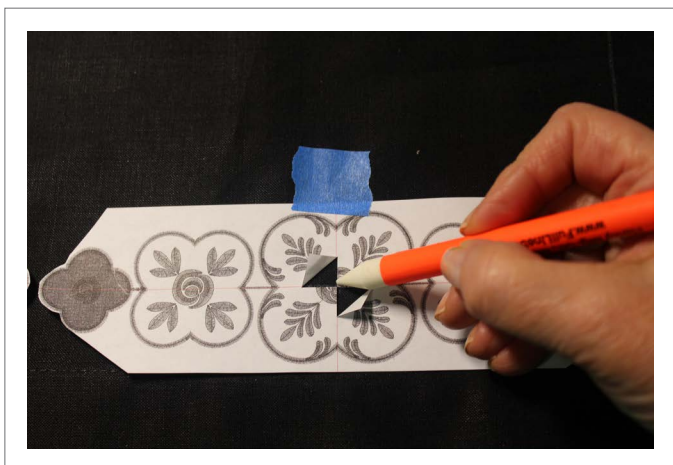
To resize the design:
- Open your BERNINA Embroidery Software DesignerPlus, EditorPlus or ArtLink and select the **Open** icon.
- Navigate to the chosen design and open it.
- Select the drop down arrow in the **Units of Measurement** field at the top of the screen and select **Metric**.
- Click on the design to select it. Check that the **Proportional Scaling** icon is selected (the picture of the lock should be closed). Selecting this button will keep the height and width ratio the same as the original.
- Swipe across the Height field and type in the desired height (measured distance divided by the number of repeats). To allow space between the repeats, reduce that number by two to four millimeters.
- Print a new set of paper templates for this altered size. Draw an arrow at the top of the design on the paper before cutting out the template. Fussy cut around the ends for a better visual. Cut a slit along the horizontal and vertical lines on the template and fold back opposing corners.

- Position this new set of templates on the project as before. If you reduced the size the extra two to four millimeters, you will have a small space between each design.

- Use a small piece of painters tape to hold the templates in place as you mark.

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- Mark the center point of each design through the slit. Remove the paper and use a clear ruler to extend the vertical line. The line should be perpendicular to the horizontal line. Be as accurate as possible. Accurate marking is the most important part of the process.

- Continue to mark each template for the first side.

- To mark the second side, use a clear ruler to mark a vertical line straight across from the mark on the first side.
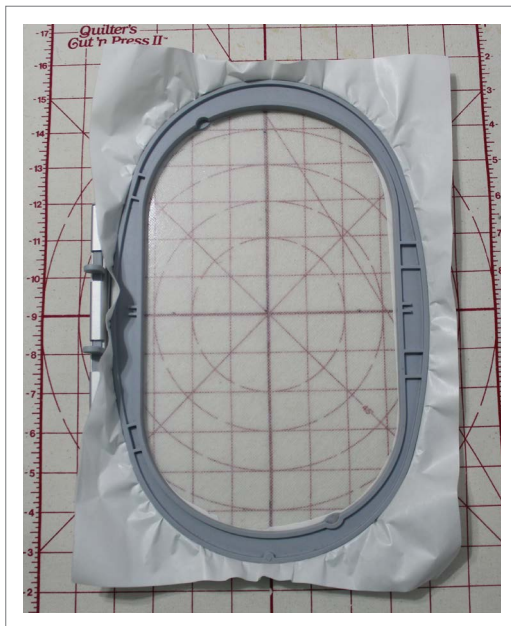

- Hoop a sticky backed stabilizer (StabilStick TearAway, StabilStick CutAway or AquaMesh Plus) in the hoop with the paper side up. Be sure to align the arrow on the inner ring of the hoop with the arrow on the outer ring.

- Place the hoop's plastic template over the hooped stabilizer. Mark a dot at the top, bottom, center, and left and right sides of the center marks on the hoop.
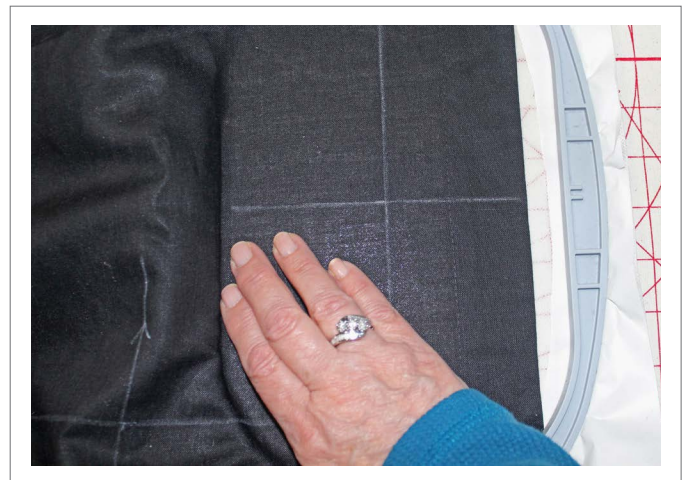
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- Remove the hoop's plastic template. On the wrong side of the hoop connect the dots so that you have marked the center horizontal and vertical lines on the hoop's back side.

- Turn the hoop to the right side. Score and remove just the paper to reveal the sticky surface. You should be able to see your marked lines through the stabilizer.
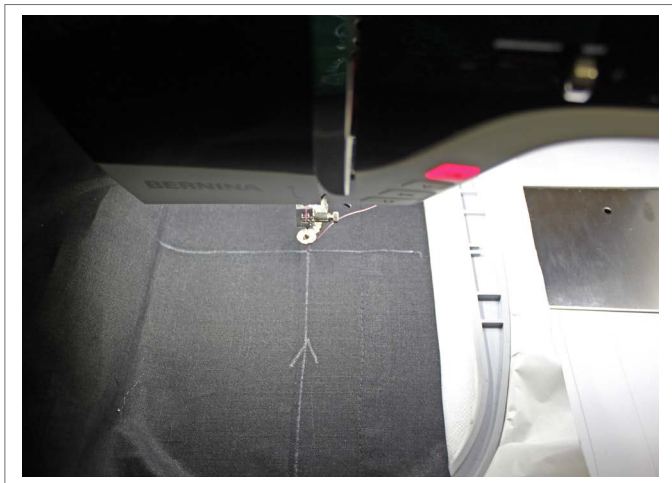

- The use of a gridded padded ironing surface will be a great visual aid in positioning the fabric for embroidery. Place the hoop over the padded surface aligning the center marks on the hoop with the center marks on the padded surface.

- Carefully position the marks for the center design (it is best to work from the center out if possible) over the sticky surface. Align the center marks on the fabric with the marks on the stabilizer as accurately as possible. However, do not worry too much that the fabric lines are perfectly aligned with the marks on the hoop as long as the fabric marks are **parallel** to the marks on the stabilizer. You can always move the design center using the machine's edit features.

- Smooth the fabric carefully with your hands so that the fabric adheres firmly to the stabilizer.
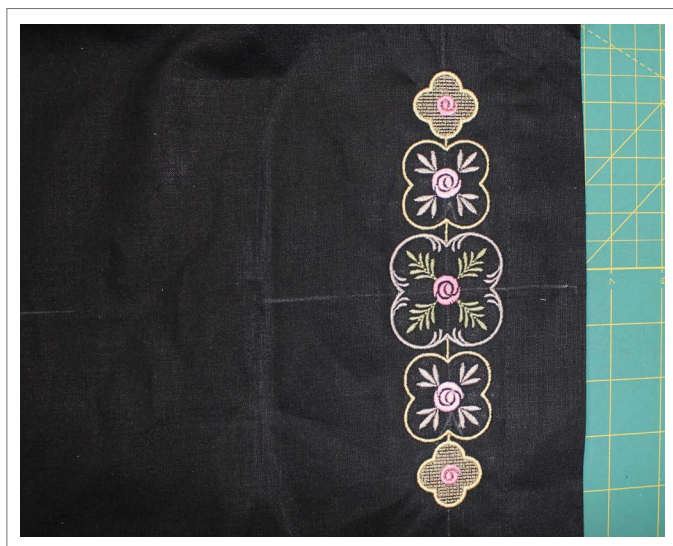
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- Attach the hoop to the machine. Use your hoop's edit features to move the center needle position to the marked center of the hoop. Consult your machine manual for specifics.

  To double check the design placement, engage the Virtual Positioning (also called Absolute Check) and/or the trace features to ensure that the fabric was placed straight in the hoop.

- Remove the hoop from the machine and the fabric from the hoop. Remove as much stabilizer from the back as possible.

- Stitch the first design.

- Repeat the steps to stitch the second design.

- Continue stitching until the entire first side is done.

- Stitch the second side.

- If desired, embroider the two short ends of the table runner. Resize the design if you wish to fill the area, or choose a coordinating design. The choice is yours.

Printing a Template

An easy and very accurate way to get a template of the actual design is to use embroidery software to print your own. You will need a computer and printer as well as embroidery software. BERNINA Embroidery Software Designer Plus and Editor Plus are great software programs. However, if you do not currently own software, you can download the free ArtLink software on bernina.com website. This software allows you to do simple editing and resizing to designs as well as to print a template.

The specific steps for printing a template using ArtLink software can be found in the **ArtLink Basics eBook**. Designer Plus and Editor Plus steps will be very similar.

Remember when printing templates from the software, your printer also needs to be set to properly print at the correct size. Any page scaling or page fitting options in your print dialog box must be turned OFF or set to NONE so that your files will print out at their actual size. Images not printed at actual size will not function as intended.

CLOSEUP OF REPEATED DESIGN

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