Endless Embroidery, Shaping and More

Mastery LIVE Lesson 7 by Susan Fears

BERNINA 880

Endless Embroidery tips & techniques

- Motifs & stitches can be used as endless embroidery elements

- The resulting Endless Embroidery design is not grouped and elements can be further edited (such as mirror imaging every other motif)

- If a grouped endless embroidery pattern is desired (to provide simpler move functionality) Select Duplicate and then Delete each of the single elements until only the duplicate remains

- Use the stitched reference marks to line up embroideries that go from hoop to hoop with Absolute Check for perfect alignment of continuous embroidered projects

- Leave room in the hoop to re-hoop when designing if multiple re-hoopings are required

- When the first hooping finishes and before unhooping, place the template over the embroidery to note the open grids around the pattern on the joining side. If there are 3 grids open, then when re-hooping, the embroidered design can be in the hoop 3 grids and there is still room for the next embroidery

- The optional accessory, the Master Hooper, makes hooping faster by stabilizing the hoop and preventing sliding as well as accuracy

- Cut the stabilizer the same length as the project fabric length to maintain the same level surface throughout the project

Creating an Endless Embroidery with a Motif

- Select the Motifs Folder > Folder 8 > Folder 9 > Design 4

- Select Hoop Icon, select the Mega Hoop, and close

- Select 'i'

- Select Rotate and set to 45°

- Select the 'i' breadcrumb

- Select Duplicate

- Mirror Image Left/Right (second motif)

- Select the Endless Embroidery Icon

- Increase the motif number to 2x (giving 2 sets of 2)

- Check to Confirm

- When stitching, select Re-sequence to minimize thread changes

Endless Stitches

- Navigate to the Embroidery Menu Screen
- Select the Stitches Folder
- Select the Decorative Stitches Folder
- Select Folder 601
- Select Stitch #5
- Select Add
- Select Stitch #6
- Move the stitches to form a vertical column using the Stitch Length knob
- Select the Hoop Icon > Oval Hoop and Close
- Select 'i'
- Select Endless Embroidery
- Set the # of Motifs to 6
- Deactivate both Reference Marks
- Select Check to Confirm
- Select Duplicate
- Swipe to Delete all the singles leaving only the duplicated motif—when looking at the layers, the only motif remaining will be the one of the endless grouped pattern
- Select Rotate and select +90 to rotate 90º
- Select the information icon breadcrumb
- Select Endless Embroidery
- Set the # of Motifs to 8
- Set the spacing between motifs (rows) to 6mm
- Select Check to Confirm
- Use the layers to select every other row and mirror image left/right
- Select Add (use the layer scroll arrow if not visible)
- Navigate to the motifs folder > folder 8 > folder 4 > design 1
- Close the information menu
- Select the Needle
- Select Resequence
- Deactivate the Thread Cutter for the stitched background to prevent cutting between each of the stitches—however—this also eliminates the cut as it moves from row to row and this should be cut during the embroidery process to eliminate trapped threads.
- Reactivate the Thread Cutter after the stitches have stitched
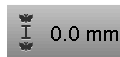
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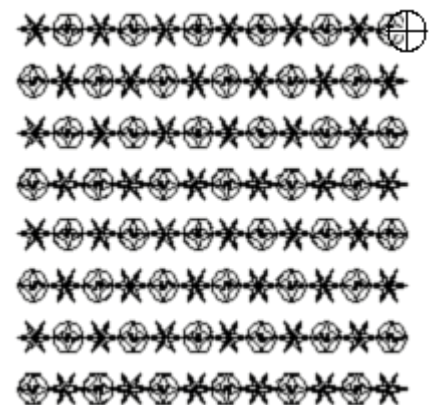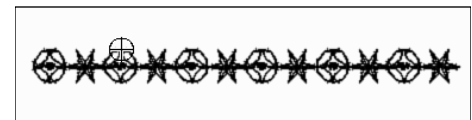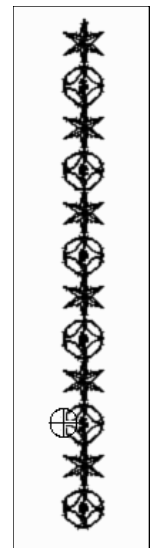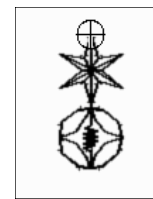
⌒ Shaping

- Stitches, embroidery motifs, and lettering can be shaped. Folder 5 in Motifs contains small embroideries good for shaping, although any motif can be used for shaping
- Use the vertical scrolling to access all available shapes
- Shaping affects only the selected motif—therefore—other motifs can be on the screen and not be affected (this is different from endless embroidery where everything on the screen is affected)
- ⊂⊃ Get more shapes by unlocking the rescale lock and alter the height and width independently to make ovals & rectangles
- The Shaped result is grouped (and cannot be separated)
- +90° When shaping stitches, using +90 may provide a more fluid sew out depending on the start/stop of each stitch in the group. This is often noticed after stitching out the pattern
- The originating size of the shape depends on the hoop selected. 100% of the small hoop yields a smaller shape than 100% of the medium hoop
- Even though designs may overlap, the Re-sequence function is available when embroidering
- Stitches are not removed in overlapping areas
- Embroidery Designs are limited to 350,000 stitches

Shaping with an Embroidery Design

- Navigate to the Embroidery menu and select the Motifs Folder > Folder 5 > Design 5
- Use the hoop icon to set the hoop to the Medium Hoop and close
- Select the information icon
- Select Shaping
- Select the Square
- Set the number of motifs to 4
- Set the size (proportional) to 50% (or so the design fits in hoop)
- +90° Select +90 several times to see the new orientation; select Mirror image to see every other motif mirrored
- Increase the motifs to 8 and audition +90 and mirror image
- ⊂⊃ Engage the lock for proportional sizing
- Change either the height or width to create a rectangle noting how the shaped design changes
- Check to confirm

Shaping with an Quilt Design

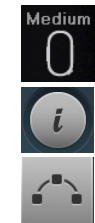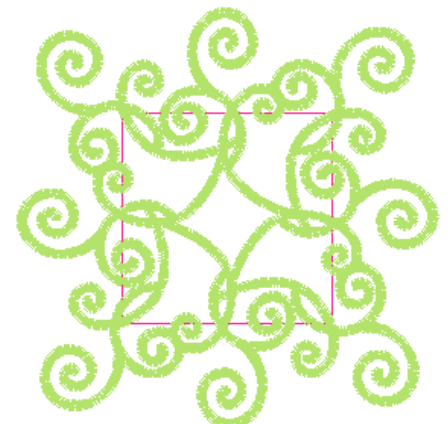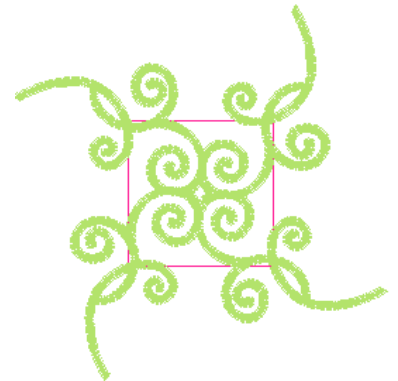- Navigate to the Motifs Folder > Folder 3 > Design 3
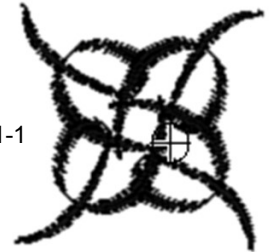
Stitch 401-5
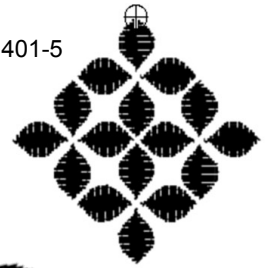
Stitch 501-8

Stitch 501-1

- Use the hoop icon to select the Jumbo Hoop and close
- Select the information icon
- Select Re-scale and resize motif to 85%
- Use the 'i' breadcrumb to go back one level
- Select rotate and rotate the design 45° (items enter into shaping rotated 45°)
- Use the 'i' breadcrumb to go back one level
- Select Shaping
- Select the Square
- Rotate the motif +90 1 time
- Set the number of motifs to 4
- Change the size of the shape (locked=proportional) until the shaped designs fit into the hoop
- Check to confirm
- Select Add and insert an embroidery into the center of the quilted block (such as Motifs > Folder 2 > Design 7)

Shaping with a Stitch

- From the embroidery Stitches Folder, Select Decorative Stitches > Folder 401 > stitch #20
- Select the information icon
- Select Shaping—try these effects with the same stitch
- Keep the size lock engaged
- Deactivating the lock allows the height and width to be changed independently to create rectangles, ovals and other non-symmetrical shapes
- Using the same stitch create the following shapes:

Shape	# of Motifs	+90	Mirror Image
Spiral	21	1	-
Triangle	17	1	-
Hexagon	20	1	-
Star	20	1	-
Star	20	1	engaged
Heart	20	1	-
Upward Arc	12	1	-
Downward Arc	12	1	-
Downward Arc	12	-	engaged
Circle	24	1	engaged
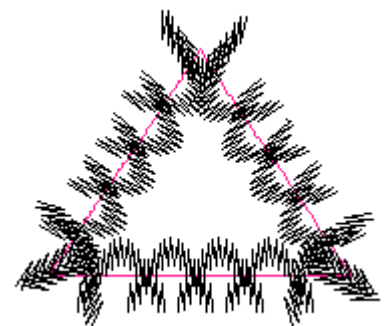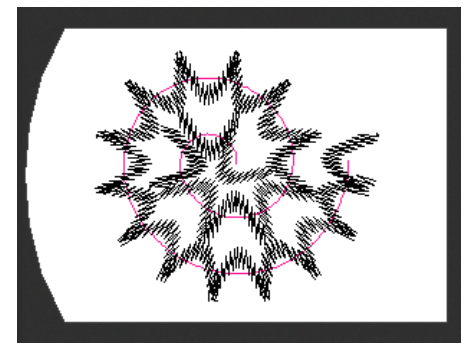
- Oval—x=135, y=175, 24 motifs, Mirror Image engaged; Medium Hoop
- Rectangle—x=135, y=175, 32 motifs, +90 1 time & Medium Hoop
- Close Shaping
- Note—shaped objects can be shaped by re-selecting shaping

The Colors Tab

- The Colors tab offers these changes to a design
    - Change Individual Colors in a Design
    - Change Thread Libraries of a Design
    - Recolor with Colorwheel

Change Individual Colors in a Design

- With a motif on screen, select the Colors Tab
    - Use the up/down arrows under the motif to select the color to change
    - Select the change icon
    - Scroll to select the color or use 0-9 and type in the number of the color and press the color bar that appears

Change Thread Libraries of a Design

- With a motif on screen, select the Colors Tab
    - Select the change icon
    - Use the Scroll arrows by the thread brand displayed to cycle through the built-in thread libraries until the desired library is displayed
- Select the thread brand change icon
- Select the palette breadcrumb to see the library change

Color Wheel

- Change the hue & saturation of designs on screen, translate the visual colors to thread colors, and convert to alternate thread libraries Changing single design color & brightness

Using Color Wheel

- Select Home and Embroidery
- Select the Motifs Folder > Folder 6 > Letter of Choice
- Select the Color Tab
- Select the Color Wheel Icon
- Move the Color Wheel Slider to 301°
- Move the Brightness slider to 24 (or use the Stitch Length knob)
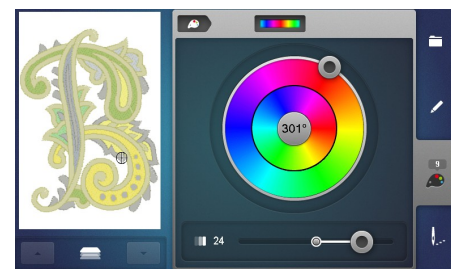
- Select the Palette Breadcrumb to view the new colors of the design
- Select the 'changing the thread brand' Icon
- Use the scroll arrows to select r-a sb poly 122
- Select the Color Brand Display
- Use the Palette breadcrumb to preview the thread conversion

Multiple Color Wheel Changes within One Screen

- Navigate to Embroidery > Motifs > Folder 8 > Folder 4 > Design 8
- Select the Hoop Icon > Large Oval and close
- Select 'i' menu
- Select Duplicate and Mirror Image Left/Right
- Drag & Drop designs into a pleasing arrangement
- Close the 'i' menu
- Select the Color Tab
- Select the Color Wheel Icon
- Use the arrows to select one motif
- Move the Color Wheel Slider to 202º
- Select the second design with the arrows or by on-screen touch
- Move the Color Wheel Slider to 303º
- Use the arrows to show both designs selected and independently re-colored
- If additional alterations are made, the last alteration is applied to both (or all) designs on screen

ArtLink

- ArtLink is the Bridge between Designs on your computer and the B 880
- It is a FREE download from www.bernina.com. Once on the website, Products > Software > BERNINA Embroidery Software
- ArtLink can Open embroidery designs; convert embroidery designs; send embroidery designs with the proper format to your BERNINA embroidery machine using a direct connection or USB stick, basic design manipulation; print a paper template for placement
- Recalculates stitch count when large changes are made to the size of the design (maintains design integrity when going beyond 20% larger or more than 80% smaller
- Download the Artlink eBook from bernina.com for additional information
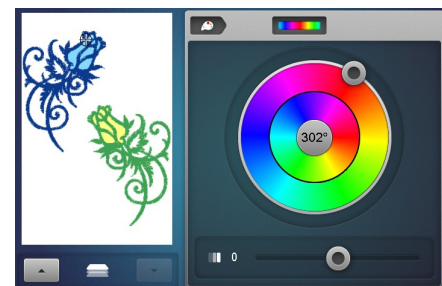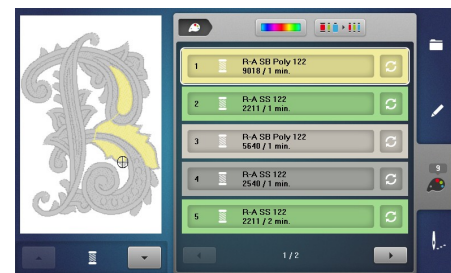
For Additional Educational Materials:

- *My BERNINA Workbooks*
- *Video Tutorials packed with B 880 and also on the YouTube BERNINA channel*
- *B 880 Tool Tips on YouTube BERNINA channel*
- *bernina.com > Experience section for projects written using the B 880*