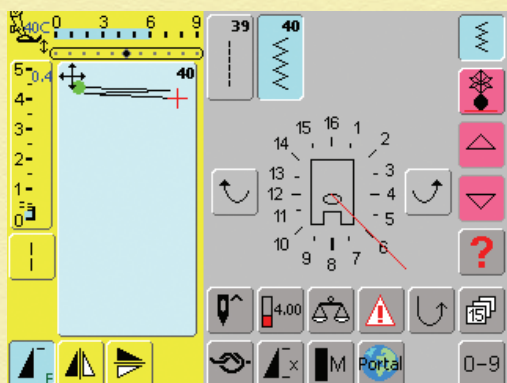


One of the most exciting capabilities of the BERNINA® **artista** 730 is the 16-directional sewing feature. This feature is also available on the BERNINA® 1630 Inspiration plus, **artista** 180, **artista** 185, and **artista** 200. Using this exceptional feature of the **artista** 730 offers a technique for creating stunning borders and edgings that work for table linens, pillow edgings, blouses, craft projects and almost any type of project that needs a rich beautiful finish.

## DIRECTIONAL SEWING SCREEN



The directional sewing screen makes it simple to use this unique feature. Access the 16-directional sewing menu using the Decorative Stitch button; scroll and select the 16-directional sewing folder. Important points to notice about the screen are:

- There are two stitch choices for directional stitching, straight (#39) and zigzag (#40).
- There are 16 directions in which to stitch, numbered consecutively in a clockwise manner around the presser foot graphic. The arrows indicated the orientation of the stitching in relation to the presser foot, and are shown in the same orientation as they are sewn.
- The Stitch Altering Area indicates the Start (•) and Stop (+) points of the directional stitches.
- The default Straight stitch length is 1mm. This length can be reduced.
- The default Zigzag stitch width is 6mm and can be varied from 0 to 9mm.
- The default Zigzag stitch length is 0.45mm and can be varied from 0mm to 1mm.

### Creating Stitch Combinations

When combining directional stitches in Combi Mode:

- One directional stitch equals 9mm of directional movement
- Engage the Long Stitch function to sew one 9mm stitch instead of three 3mm stitches. This single long stitch makes directional connecting stitches easy to remove.
- Use the large, clear plastic compass template (included with your machine manual) to define the direction and distance of directional movement in stitch combinations.

# BIG Beautiful Borders

By Jill Danklefsen





## GUIDELINES FOR SUCCESSFUL DIRECTIONAL SEWING



**Fabrics, Interfacings, and Stabilizers**  
Prepare the fabric by stabilizing it as necessary to support the directional stitching. A combination of both fusible interfacing as well as a stabilizer product may be required. Always experiment with your selected interfacings and stabilizers to make sure you have the proper combination for your project.

### Presser Foot

**Sideways Motion Foot #40C** is the only foot recommended for directional sewing. It is specially designed without a thread escape to avoid the possibility of a thread getting caught as the machine is feeding the fabric in various directions. The foot also has a beveled cut-out area around the needle slot, which facilitates movement of the sole over sewn stitches regardless of the direction in which the fabric is moving.

### Guiding

Using a fabric marker, draw a series of parallel lines on the fabric. *This is the single most important contributing factor to successful directional sewing.* Draw as many as you need: don't skimp on giving yourself enough guidelines to follow. The edge of the presser foot should always remain parallel to these guidelines. Consider selecting a fabric with a visible weave structure. The "yarn lines" in the fabric will offer additional guidelines for the directional sewing.



### BORDER #1 - Stacked Scallops

Three scallops stacked in a pyramid create this elegant border.



Stitch 507



Stitch 39  
Compass Direction Line  
(CDL) = 2



Stitch 39  
Compass Direction Line  
(CDL) = 2



Stitch 39  
Compass Direction Line  
(CDL) = 2



Stitch 507



Stitch 39  
Compass Direction Line  
(CDL) = 14



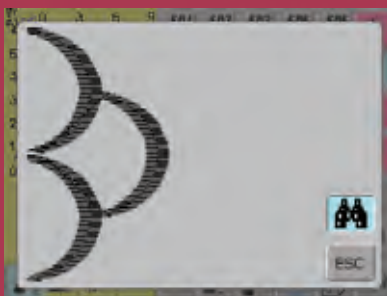
Stitch 39  
Compass Direction Line  
(CDL) = 14



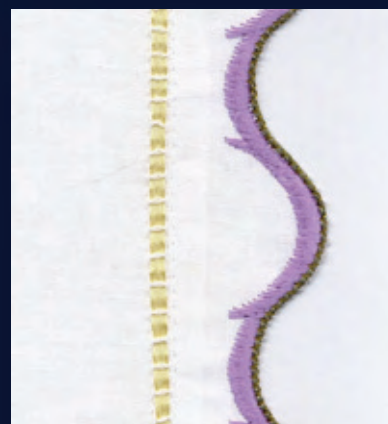
Stitch 39  
Compass Direction Line  
(CDL) = 14



Stitch 507



Stacked Scallops Border –  
"Actual Stitches" View



### BORDER #2 – Waving Scallops

Alternating scallops result in a simple, serene edging.



Stitch 507



Stitch 39  
Compass Direction Line  
(CDL) = 2



Stitch 508  
Engage Vertical Mirror  
Image



Engage Vertical Mirror  
Image

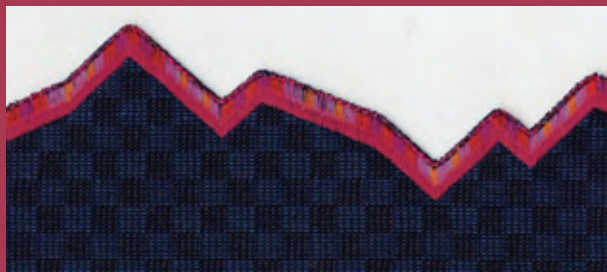


Stitch 39  
Compass Direction Line  
(CDL) = 14



Waving Scallops Border –  
"Actual Stitches" view





### BORDER #3 – “Free Form” Directional Border

Directional borders can be created without programming into Combi Mode. Sometimes it is simply fun to select a directional stitch, either straight or zigzag, and create as you sew. Double your pleasure by stitching your creation with a Double or Triple needle! The sample shown was stitched with a 3.0/90 Double needle; one needle threaded with a solid color and the other with a variegated thread.



The sample shown was sewn with a directional zigzag stitch # (40). The border was randomly stitched using Compass Directions 6 and 7, engaging Vertical Mirror image

when desired. *Note: Simply engage Mirror Image instead of scrolling to change to Compass Directions 9 and 10.*

To prevent accidental needle breakage, engage the Security Program on the **artista** 730. Select the appropriate needle spacing to limit the sideways motion of the needle and prevent it from striking the presser foot. *Note: This feature is also available on the **artista** 200. On the **artista** 180/185 and 1630, engage the Double Needle Limitation function.*



Security Program icon



Select and activate the program.



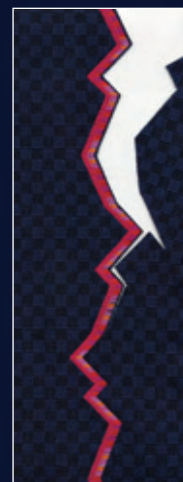
The Security program icon will turn red and automatically limit your stitch width regardless of the selected stitch. It even remains on after the machine is turned off; you must open the dialog box and select the Standard needle icon to disengage the Security Program.

## FINISHING DETAILS

*Creating a Beautiful Corded Edge*



**STEP 1:** Stitch the directional edging.



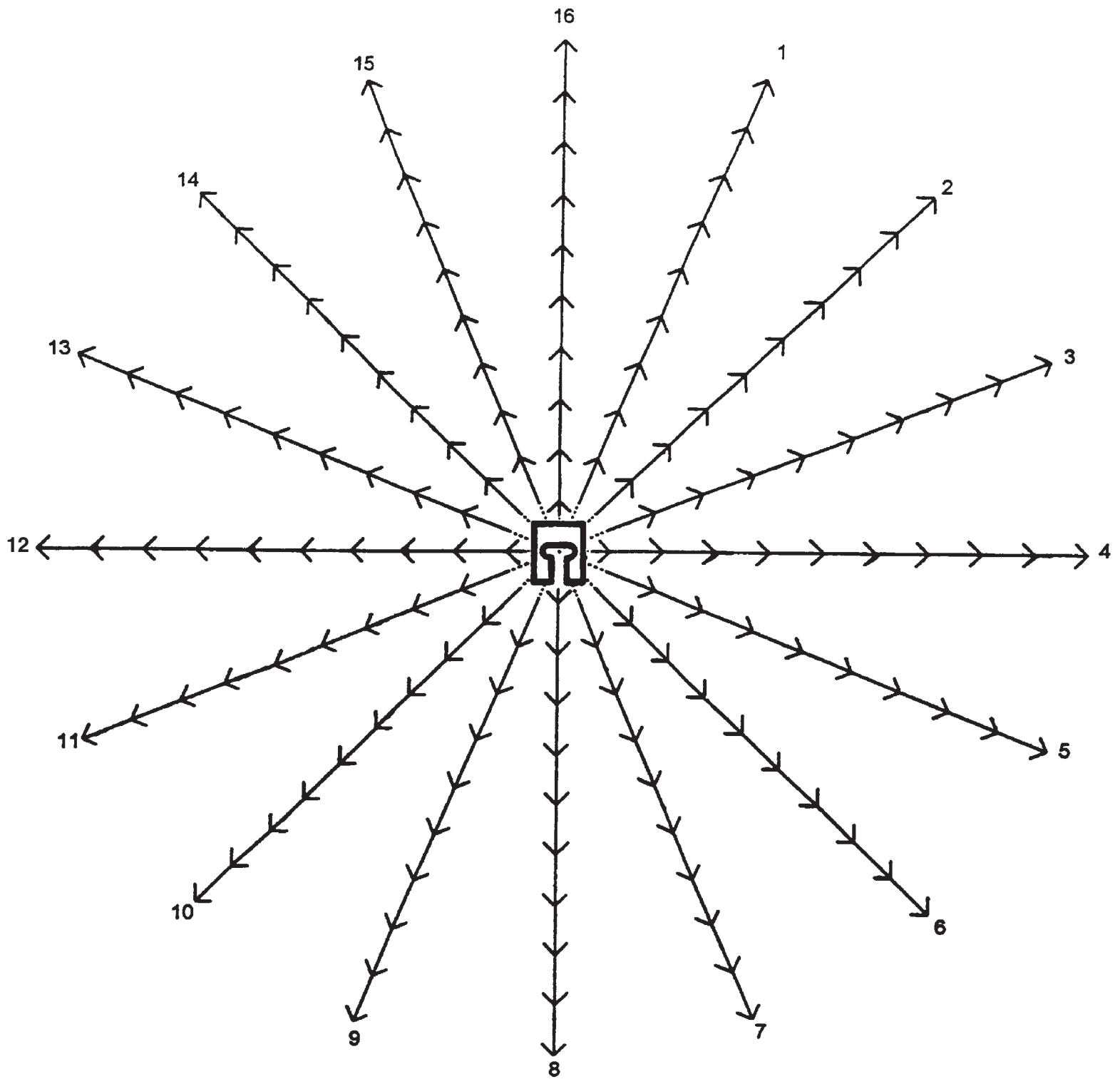
**STEP 2:** Carefully trim the edging, making sure to leave a small (about  $\frac{1}{16}$ " -  $\frac{1}{8}$ ") "lip" of fabric next to the stitching. This not only protects your stitching from being cut, but also provides a place to position the decorative cording.

**STEP 3:** Set up the machine:

- Attach Clear Embroidery Foot #39 to the machine; Thread machine with monofilament thread.
- Thread the guide of Foot #39 (located between the toes of the foot) with a smooth decorative cording. *Note: Cording must be uniform in diameter to move smoothly through the guide. For the sample, two cords were threaded through the guide together - 1 strand of Superior Razzle Dazzle and 1 strand of YLI Ribbon Floss.*
- Select Zigzag stitch #2. Adjust the Stitch Length and Stitch Width to 1.5mm.
- Select the Needle Stop Down function.



**STEP 4:** Stitch, guiding the cording along the trimmed decorative edge. Use the Free Hand System to easily pivot and maneuver around the edge.



### COMPASS DIRECTIONS

Photocopy the compass graphic onto acetate (overhead transparency) and use it to position and plan stitches for programming. *Note: Carefully check the photocopied graphic for correct sizing as some copy machines distort images. At the correct size, the distance between arrows is 9mm (0.35").*