

BERNINA  
8 Series

# BERNINA 830

## Creativity Denim Tote

Sample & Instructions by  
Susan Fears



### Supplies

#### Machine & Accessories

- BERNINA 830 Sewing & Embroidery Machine
- BERNINA Jumbo Hoop and Template
- Reverse Pattern Foot #1D
- Zipper Foot #4D
- Open Toe Embroidery Foot #20C
- Open Toe Embroidery Foot #20D
- Embroidery Foot #26
- Patchwork Foot #37D
- Sideways Motion Foot #40C
- BERNINA Stitch Regulator Foot #42
- Walking Foot #50
- Cording Attachment for 8 Series
- 8 Series Adjustable Guide
- 8 Series Multifunction Tool

#### Threads

- Red Isacord or PolySheen – color #1903
- Gray Isacord or PolySheen – color #0142
- Mettler Cotton Fine Machine Embroidery Thread 60 wt – Red – color #600
- Mettler Cotton Fine Machine Embroidery Thread 60 wt – Gray – color #713
- Mettler Cotton Embroidery Thread 30 wt – Red – color #600
- YLI Candlelight Metallic Yarn – Red (Red #003) or Silver (#SIL)

#### Supplies

- 2 pcs Denim – cut 16" x 20"
- 2 pcs Batting – cut 16" x 20"
- 2 pcs cotton lining – cut 16" x 20"
- 2 pcs Heavy TearAway Stabilizer – cut 16" x 20"
- 2 pcs 1½" wide Red Double-faced Satin Ribbon – cut 20" long
- 1 pc Pearl Cotton size 5– Red – cut 1½ yards long
- 1 - 24" Separating Zipper – Black or Red
- Chalk Marker
- Hand Sewing Needles
- 7" x 24" Ruler – Nifty Notions Cut for the Cure
- Seam Gauge
- Glitzer Tool and Crystals (optional)
- Temporary Adhesive Spray (optional)

#### Needles

- Jeans Needles – #90
- Organ Needles – #90
- 3.0 mm Double Needle

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# BERNINA 830 - Creativity Denim Tote

## Side 1—Ribbon Side

### Embroidery Set up


- Insert #90 Organ needle
- Insert bobbin with red 60 wt Mettler cotton and thread hook area for embroidery
- Red Isacord or PolySheen thread in needle
- Embroidery Foot #26 attached
- Module attached with slide-on table
- Hoop denim fabric, batting and stabilizer in Jumbo Hoop using Template to align to draw center cross marks
- Note: Be sure hoop center is calibrated (Setup > embroidery settings).



## Embroidery Design Set up

### Importing Stitches into Embroidery



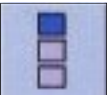
- Touch the Module Icon
- Select Stitch #441
- Touch the Module Icon
- Select New Motif > My Designs Folder  and select the stitch



- Select the Jumbo Hoop
- Rescale to 175%
- Select Endless Embroidery for 11-12 repeats
- Deactivate the reference marks and confirm (green check)



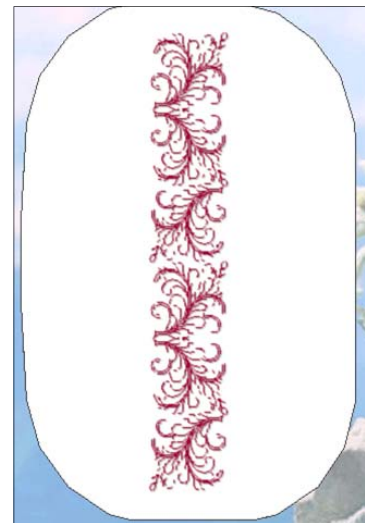
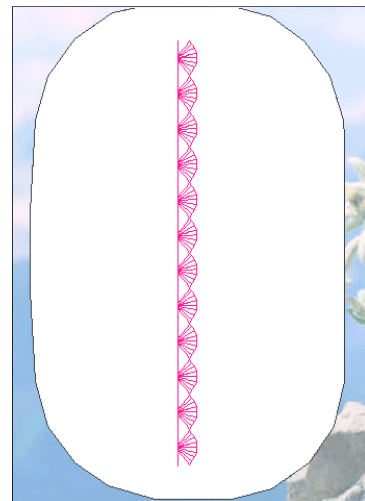
- Duplicate and move away from first row of stitches
- Delete each stitch of the first row
- Save the Design.



### Create the Quilt Motif

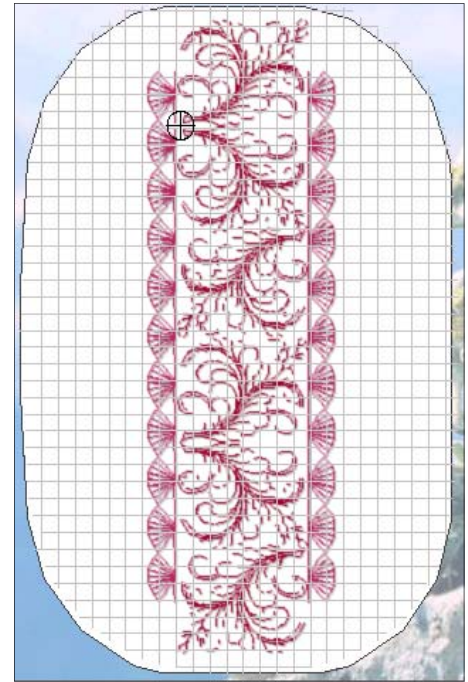


- Select Diane Gaudynski Design #12
- Select the Jumbo Hoop
- Move the design up in the hoop with drag and drop or using the knobs
- Duplicate and mirror image up/down
- Move design under 1st design





- Duplicate again and move design into place
- Mirror Image left/right
- Arrange designs vertically and activate the grid for easier alignment
- Select the Retrieve icon to select all designs and press the Move Icon 2 times to center the entire design
- Rescale entire design 95%
- Select the Endless Embroidery Icon and increase the number of repeats to 2
- Select Fit to Hoop
- Deactivate Reference marks and check to confirm
- Skew the design by changing the width to 132% and the length to 107%
- Select the Add Icon and select the row of stitches previously saved from the My Designs Folder
- Move to the right side of the quilt design
- Add or duplicate the row of stitches
- Mirror Image left/right and move to the opposite side
- Save the design
- Press the green check and select the Resequence Icon to minimize stops in the embroidery
- When the embroidery gets to the imported stitch row, de-activate the automatic thread cutting icon
- Embroider, then unhoop the project.



### Stitched Ribbons

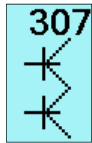
#### Machine Set up



- Touch the module icon to go to sewing
- Rethread the bobbin area for sewing mode
- Red 30 wt cotton threaded in Size 80/90 Jeans needle
- Slide on Table attached
- Attach Foot #1D and engage BERNINA Dual Feed.



## Ribbonwork

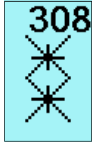


307

- Draw a chalk line 2" away from the long side of the embroidery on both sides

- Select the straight stitch

- Place ribbons on the chalk line and attach with the straight stitch



308

- Using the inner toe of #1D, stitch #307 on edge of ribbon. (Straight stitch of #307 goes toward center of ribbon).



766

- Select Mirror Image left/right and stitch the other side of the ribbon.

- Select Stitch #308

- Stitch down the center of ribbon

- Select stitch #766

- Using inner toe of foot as a guide, stitch next to center of stitch #308

- Select Stitch #441

- Place edge of foot on edge of ribbon and stitch #441 opposite stitch #308



441

- Access History Stitches to duplicate recipe for the second ribbon.



15



307—441—308—766—307

## Side 2—Decorative Stitch Play

### Side 2 Fabric Setup

Mark stitching placement lines on the second piece of denim as follows:

Draw 5 chalk lines parallel to the 20" side

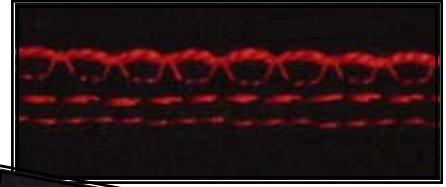
- Line 1—3 1/2" from the top
- Line 2—2" from Line 1
- Line 3—3" from Line 2
- Line 4—1" from Line 3
- Line 5—1 1/2" from Line 4.



## Corded Tucks Setup

### Machine Setup

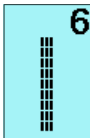
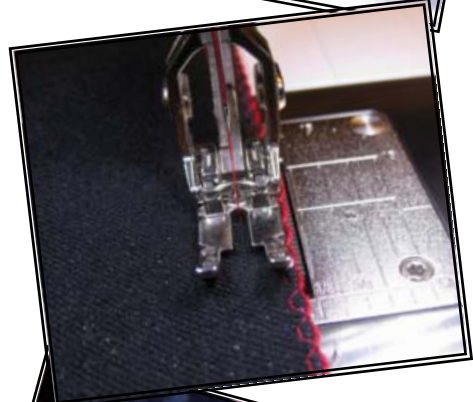
- #90 Jeans needle
- Red Isacord or PolySheen thread in needle
- 60 wt red thread in the bobbin (sewing mode)
- Attach Open Toe Embroidery Foot #20C
- Attach Cording Attachment to machine.



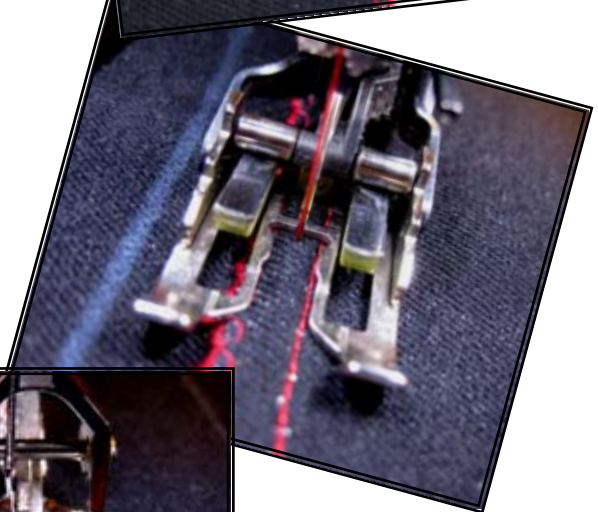
### Corded Tucks



- Select stitch #3
- Adjust the Stitch Width to 3.3 and move the Needle Position 2 positions left of center
- Fold on the 1st chalked line on denim fabric
- Position Fold under left toe of foot and to the left of the cord
- Stitch with 3 1/2" piece folded to top. Be sure when sewing, the cord is not being tucked to the underside – leave a gap between cord and fold. Adjust Needle position/stitch width as needed.
- Repeat for second chalked line with the larger fabric piece folded to the top
- Remove Cording Attachment
- Attach Patchwork Foot #37D and Engage BERNINA Dual Feed
- Select Stitch #1 and change the length to 3
- Place the edge of foot #37D on fold and stitch a 1/4" tuck in fabric; Repeat for other side
- Attach Walking Foot #50



- Select Triple Straight stitch #6
- Alter stitch length to 4 and Needle Position to 1 position left of center
- Lay fabric flat and fold the tucks toward each other while stitching in place.

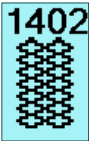


## Decorative Tapering

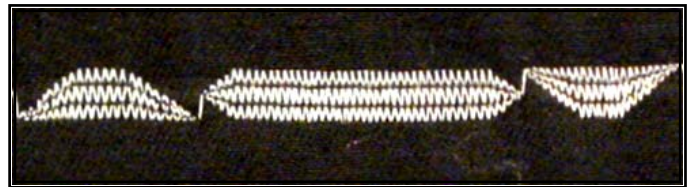
### Machine Setup

- Layer batting and Tear-Away stabilizer to wrong side of denim – use temporary spray adhesive if necessary
- Gray Isacord or PolySheen thread in needle
- Change bobbin to gray and thread hook area for sewing
- Attach Open Toe Embroidery Foot #20D
- Attach adjustable guide that rides on the surface to the left of the foot
- Engage BERNINA Dual Feed
- Set adjustable guide at 7/8".

### Tapering



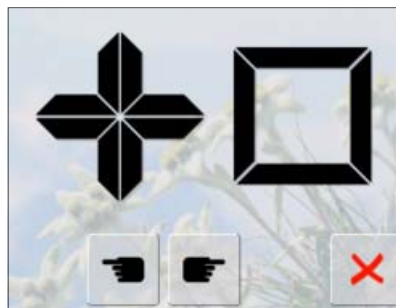
- Select Tapering Menu and stitch #1402
- Note: Segment 1 and 3 have a programmed length. To set the length of segment 2 select the Tapering length icon at the bottom of the screen or by pressing the Quick Reverse button when it shows on the screen



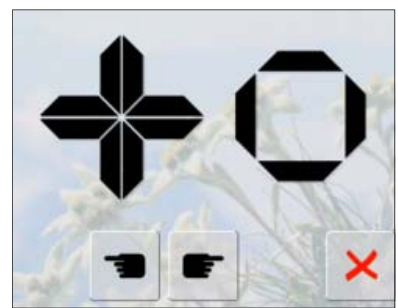
- With the Center taper screen selected, select Tapering length and set to a length of 45
- Stitch a line of tapering guiding the adjustable guide to the straight stitching of the corded tuck alternating between Center-Left-Right angles:
  - Center – length 45
  - Left – length 25
  - Right – length 25
- Exit the Taper Menu when the row is completed.



Center Taper



Left Taper



Right Taper

## Double Needle Work

### Machine Setup

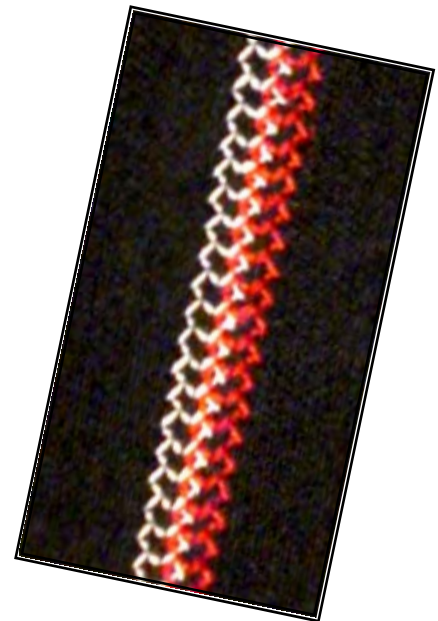
- Remove gray thread from needle
- Red 60 wt Mettler cotton in Bobbin threaded for sewing
- Open Toe Embroidery Foot #20D and engage BERNINA Dual Feed
- Insert 3.0 mm Double Needle
- Place red and gray Isacord or PolySheen on 2 spool pins



- Select the Security Program and select 3.0 Double Needle. Touch the check to confirm.
- When threading the machine, the automatic needle threading button still needs to be pressed in order to place the thread in the take up lever, however, with the security program activated, the arm will not swing to thread the needles. The needles can be threaded manually with the manual threader.

### Double Needle Stitching

- Select stitch #623
- Set the Stitch Length to 4.0 and Stitch Width to maximum which is determined by the security program settings
- Stitch down marked line (Line 4)
- Engage the Automatic Thread Cutter button at the end of the row
- Remove the double needle
- Select the Security Program and select the single needle.



## Bobbin Play

### Machine Setup

Consult the on-board Tutorial > Techniques > Bobbin play for on-screen guidance.

- Remove bobbin and set aside
- Wind an empty Bobbin with heavy thread
- Adjust the bobbin tension using the multifunction tool
- When the bobbin case is out, hold the case and rotate the hand wheel until the post has enough space around it to be adjusted with the tool
- Place the tool on the post and move the post 2 clicks to the left to loosen



- Close the bobbin door to allow the bobbin case to reset its position and open the door to insert the bobbin
- Thread the heavy thread through the slit and toward the cutter to properly seat itself, but do not cut on the cutter
- Leave a 2-3" thread tail and close the door
- Draw a line on the stabilizer 1" down from the center of the Taper stitch row (on the wrong side)
- Insert #90 Jeans needle
- Thread machine with Isacord or PolySheen in a color that matches the heavy decorative thread in the bobbin
- Use the hand wheel to bring the thread tail up
- Select stitch #738
- Attach Open Toe Embroidery Foot #20D
- Engage BERNINA Dual Feed
- Set the Upper Thread Tension 5-7
- Do a test run on scrap fabric to check settings and adjust where necessary
- Use the hand wheel to bring the thread tail to the stabilizer side of the project so it does not embed in the stitches on the front
- Sew with fabric right side facing feed dogs.
- Sew slowly. Sew one row on your sample fabric.
- When finished, return machine to original settings.



## Decorative Stitching

### Combinations and Connections

#### Machine Setup

- Thread needle with red Isacord or PolySheen
- Insert red 60 wt Mettler cotton bobbin and thread bobbin area for sewing
- Attach Sideways Motion Foot #40C





- Select Combi-mode
- Insert stitch #115 two (2) times
- Mirror Image Left /Right the second stitch



- Select the Multifunction icon
- Select the Connecting Stitches icon



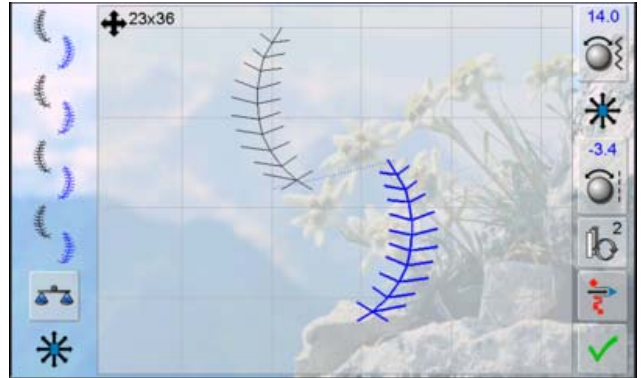
- Use the Stitch Width and Stitch Length knobs, or DRAG & DROP, to position the motif as pictured



- Use the Move Multiples Icon to adjust the spacing of the grouped combination. The Preview window will show any gaps which can be adjusted (closed) using the Stitch Length knob.



- Exit the screen and press pattern begin
- Run a few stitches on test fabric to determine the best alignment for sideways movement of stitches.
- Use the Start/Stop button with the speed set to medium to sew at a consistent speed throughout the movement and formation of the stitches.
- Stitch on chalk line 3 — in between the bobbin play and the double needle work.



## Sideways Motion Stitching

### Machine Setup

- Thread needle with red Isacord or PolySheen
- Insert red 60 wt Mettler cotton in the bobbin and thread bobbin area for sewing



- Attach Sideways Motion Foot #40C
- Select Single mode

1044



- Select stitch #1044
- Touch check to confirm
- Stitch row of motifs using bottom marked line as a guide
- Run a few stitches on test fabric to determine best alignment for sideways movement of stitches
- Use the Start/Stop button with the speed set to medium to sew at a consistent speed throughout the movement and formation of the stitches
- Use fingertip (light) guiding.



### Free Motion with the BERNINA Stitch Regulator

Use the BERNINA Stitch Regulator to decorate open areas  
Machine Setup

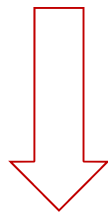
- Thread needle with either color Isacord or PolySheen
- Insert matching 60 wt Mettler cotton in the bobbin and thread bobbin area for sewing
- Attach the BERNINA Stitch Regulator and plug it in
- Select straight stitch
- Select the mode you are most comfortable with and fill in the area below the decorative stitching rows
- Use the Start/Stop button on the head frame as well as the foot control.



### Finishing the Tote

- Add additional ribbons and trims, or even more decorative stitches, bobbinwork, and endless embroidery if desired in the open areas
- Trim front and back of case to the same size
- If desired, cut a lining to match the front and back
- Using the Zipper Foot #4D attach one half of the separating zipper to the front and the other half to the back of the case
- Finish the bag by stitching the side seams together to accommodate the zipper closure.

*Extra Trimmings below!*



# Creativity Denim Tote - Extra Trimmings

## Adding BERNINA text (Side 2)

- Attach Foot#20D
- Red Isacord/Polysheen in Jeans #80/90 Needle
- Red 60 wt Mettler in Bobbin threaded for sewing
- Open Combi-Mode
- Select the Alphabet Menu and select Block lettering
- In all Caps, key in BERNINA with 2 spaces at the end
- Center the foot in between the 2 corded rows and sew the line of text.



## BERNINA Stitch Regulator Bobbin Play (Both Sides)

- Set the machine for Bobbin Play settings
- Place the Heavy thread in the bobbin and matching Isacord/Polysheen in the Needle
- Attach the BERNINA Stitch Regulator and plug in
- Increase the upper tension 2-3 levels
- Free Motion in an open area (such as above the corded rows and below the second ribbon on the embroidered panel)
- Remember to stitch with the right side facing the feed dogs; draw in any boundary lines on the back on the stabilizer needed to avoid stitching over an area
- Reset the machine back to normal settings.



## Bobbin Play Stitches (Ribbon Side 1)

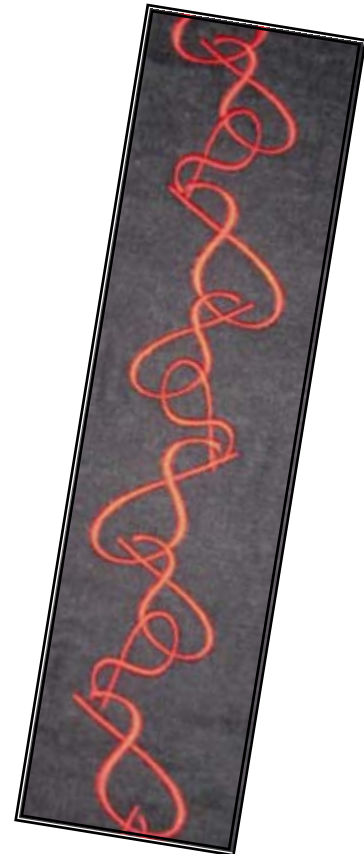
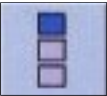
- While machine is set for Bobbin Play, add some stitched rows with bobbin play on Side 1
- Select Stitch #698 and border the ribbons on the side closest to the embroidery
- Option: Using the Silver Candlelight/Gray Isacord will add silver to the second side of the tote



- Use Open Embroidery Foot #20C to stitch
- Guide edge of foot to the straight stitches sewn earlier to attach the ribbons.

### Crazy 8 Doodle (Side 2)

- Set the machine for embroidery
- Red Isacord/Polysheen in Organ #90 Needle
- Red 60 wt Mettler in Bobbin threaded for embroidery
- Hoop Light-weight Tearaway stabilizer in the Mega Hoop or Oval Hoop and spray with temporary adhesive
- Lay the panel in the hoop aligning the edge of the fabric to the side of the hoop (straight)
- Create the Crazy 8 design from 3 8's of different sizes
- Rotate and Mirror Image the 8's allowing them to intersect
- Select Retrieve to select all and Duplicate
- Move into place and continue until hoop is filled
- Select Endless Embroidery and activate the reference marks
- Select the basting outline box that surrounds the design
- Move the design up in the hoop so it begins about 1" from the side edge
- Embroider the basting box, the design and reference marks (they are a color stop)
- Rehoop matching reference marks
- In order that the second design continue the intersecting pattern, move the design to intersect the previous stitched 8's. Use Absolute Check to verify position. With the reference in alignment, moving the design vertically will still allow the design to be sewn straight
- Some the design may be out of the hoop—the 830 will still sew the parts inside the hoop, but you can also delete the 'out-of-bounds' designs from the edit screen.



### Scattered Imported Stitches (Ribbon Side 1)

- Set up for embroidery
- Hoop Light-weight Tearaway stabilizer in the Jumbo Hoop and spray with temporary adhesive
- Lay the panel in the hoop so almost half of the fabric is laying in the hoop

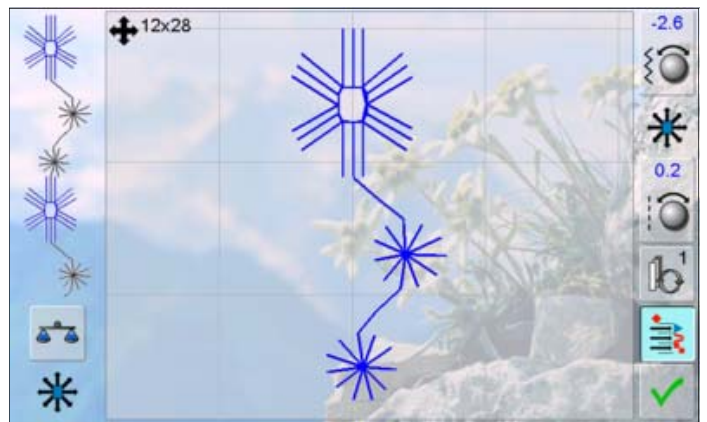


- Red 30 wt Cotton Thread in Organ Needle #90
- Red 60 wt Cotton Thread in bobbin for embroidery
- Open Combi-Mode and attach any 9mm foot
- Insert Stitch #1119 and add the tie-off stitch
- Press on the module icon
- Retrieve combination from the My Designs Folder
- Attach Embroidery Foot #26
- Re-scale the design to 130%
- Using Absolute Check scatter stitches in the open area around the quilted center
- Embroider and remove excess stabilizer
- Unhoop and repeat for other side (tip: design can be mirrored and then stitches moved and checked with absolute check)
- Embroider and remove excess stabilizer.



### Combination and Connecting Stitches (Ribbon Side)

- Attach Sideways Motion Foot #40C
- Red Isacord/Polysheen in Jeans #80/90 Needle
- Red 60 wt Mettler in Bobbin threaded for sewing
- Open Combi-Mode
- Insert stitch #1119 and 1118
- Select the Multifunction icon
- Select the Connecting Stitches icon
- Use the Stitch Width and Stitch Length knobs, or DRAG & DROP, to position the motif so they touch
- Use the Move Multiples Icon to adjust the spacing of the grouped combination. Use the Preview window to check the spacing of the motifs and adjust as necessary using the Stitch Length knob.
- Begin with the edge of the foot next to the ribbon and fingertip guide as the foot travels and sews the row.



*Enjoy your new tote!*