

*July 16, 2025*

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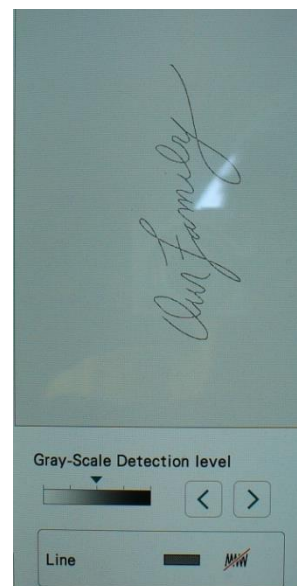
Thank you to Sharon from Florida for suggesting this topic!

## Supplies

- Stitching with 12 wt. Thread
  - Plain white paper and Sharpie Black Fine Point Marker
  - 12 wt. thread such as Madiera Décor or Cottona
  - Size 110/18 Machine Embroidery Needle such as Jeans/Denim
- Yarn Couching
  - Y foot and EC Guide
  - Thin embroidery thread to match yarn color such as Quilter's Select Para Cotton Poly 80 wt.
  - Yarn for Couching (Sugar & Cream cotton yarn was used in the video)

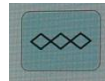
## *Create Bold Embroidery with 12 Weight Thread*

Bold embroidery designs hold their own when background fabrics are heavily patterned or have texture, such as velvet. They also add textural interest to a quilt. Thicker thread and additional passes with the stitching creates a bolder linear design. To create a bold design in My Design Center, select or import a shape. To import handwriting as shown in the video, use a black Fine Point Sharpie or similar pen to write the message on a blank white sheet of paper. Place the paper inside the hoop and use My Design Snap/Create an Image for Embroidery Design to capture the image. At the My Design Center workspace, select Line design feature to automatically trace the image. Select the Wireless icon and then Set the captured image. Crop the image with the red



arrows. Select the No Sew line option and then Preview. If the image did not capture the entire selection of handwriting, adjust the Grey-Scale Detection Level with the arrow icons and then Preview.

At the My Design Center workspace, select the triple stitch and a bright color from the Line Properties menu. Apply the triple stitch line property to the design. Repair any unwanted lines with the eraser or breaks in the line with the drawing tool. (In the preview screen, check how the design stitches using the Run Preview feature.) The triple stitch will stitch out in a single line on small shapes and will generally apply a single pass of stitching as “underlay” before stitching the triple stitch in a single direction. In the stitch properties screen select a longer stitch length. In the video, a run pitch (stitch length) of .92 was used. The chain stitch line property is a very bold choice for embroidery and is perfect when only a thinner thread is available. Modify this stitch in size and with up to 5 passes. When using a thicker thread with this stitch, choose a larger size and fewer passes.



Create several small samples with different stitch lengths to check the suitability of the run pitch with the chosen thread. It is a good idea to color code the different samples and jot down the color associated with the stitch length. For example, the shape with blue stitching has a stitch length of XXX and the red stitching has a stitch length of XXX. Use the chart right to make note of the settings for each sample. (If after stitching a sample and a desired stitch length is between available selections, choose the smaller stitch length and increase the size of the finished embroidery without recalculation of stitches.) Set up the machine for embroidery with a heavier weight thread by using a larger machine needle to accommodate the size of the thread. Select a needle size 100/16 or larger. Reduce the top tension slightly from the standard 4.0 to 3.6 or 3.8. Slow the top speed of the machine to 350 spm in settings.

### *Video Settings:*

*Triple Stitch:*

*12 wt. Thread*

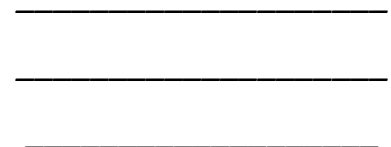
*110/18 needle*

*Run Pitch .092*

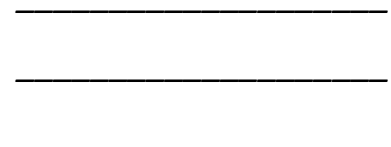
*Tension 3.8 Embroidery*

*Speed 350*

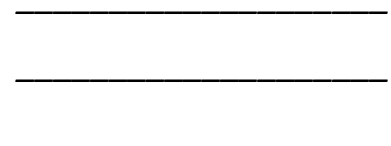
*Blue Sample:*



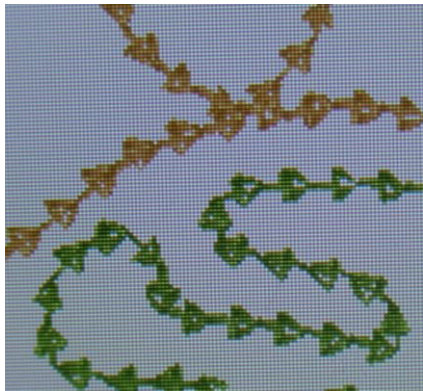
*Red Sample*



*Green Sample*

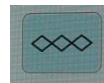


## Create Bold Embroidery with Yarn Couching



Yarn couching designs in embroidery are built into the Stellaire. Create a new yarn couching design in My Design Center by using the closest line design motifs to apply to an artwork shape. The yarn couching designs built into the machine use a very special line motif that stitches forward and loops backward to capture the yarn while continuing in one direction. (See photo left.) The stitch should

capture the yarn in a single pass with very little reverse stitching that could snag in the Y foot. That specific stitch type is not available in My Design Center. A zigzag would work if that stitch could be modified for a longer stitch length. The available modification to the zigzag stitch is too dense on the loosest setting. The chain (diamond) stitch is the closest to the yarn couching stitch with some modifications.



Set up the machine for yarn couching by installing the Y foot. (Note that the functions of the W+ foot, such as the LED pointer are not available when the Y foot is installed.) When installing the Y foot for the first time it will need to be adjusted. (Look in the Help section of the machine under Accessories to find a video on adjusting the foot and treading the yarn.) Install the Y foot on the machine and use the Multi-Position screwdriver to move the foot so the needle is very close to the left side of the opening of the foot. Use the hand wheel to move the needle up and down to check the position. The needle should not rub against the side of the opening of the foot or be deflected by contact with the side of the foot. Once the Y foot has been adjusted, it should not need

### Video Settings:

*Chain Stitch*

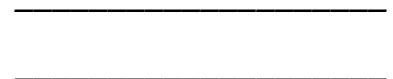
*Size .180*

*2X Repeat*

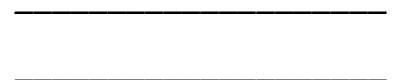
*Tension 4.0*

*Max Speed 350*

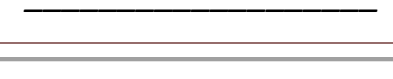
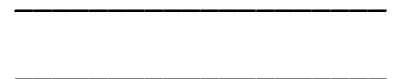
*Blue Sample:*



*Red Sample*



*Green Sample*



further adjustment. (It is a good idea to check the adjustment periodically.) In the settings, slow the top speed of the machine to 350 spm.

*See the built-in video under the help tab and the Sewing Tech Talk handout **Bold Embroidery-Yarn Couching** for more embroidery couching stitch and set up information.*

Create several small samples with various settings to test with your yarn and jot down the settings. It is a good idea to color-code the different samples and jot down the color associated with the stitch length. For example, the shape with blue stitching has a stitch length of XXX and the red stitching has a stitch length of XXX. Use the chart to make note of the settings for each sample. Save all test samples into memory. Delete the test samples that failed to meet expectations after testing.

The chain stitch creates a thicker result than the built in stitches because the minimum setting is two consecutive passes for each “chain”. The resulting embroidery has a spiral appearance (see photo below) and the yarn is well caught when using the Sugar & Cream yarn. This yarn was caught more successfully with this stitch than the built-in embroidery couching stitches. Monitor the embroidery carefully while stitching and stop the machine if the yarn becomes too impacted at the opening of the Y foot.

