



# DesignWorks Lettering - Have It Your Way

Use BERNINA DesignWorks Software Suite to create lettering three ways...  
PaintWork, CutWork and CrystalWork.

Created by Kay Hickman



## Supplies

### Machine & Accessories

- BERNINA Sewing & Embroidery Machine - *DesignWorks compatible model*
- BERNINA DesignWorks Software Suite
- BERNINA Large Oval Hoop
- BERNINA PaintWork Tool
- BERNINA CrystalWork Tool
- BERNINA CutWork Tool

### Specialty Fonts

- Shadow Serif and Quadranta Fonts from DaFont.com

## Create PaintWork Lettering

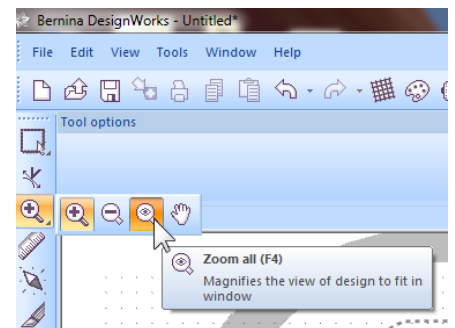
- Open BERNINA DesignWorks Software Suite.
- Select the radio dot next to *Create new* and click *Next*.
- In the *Fabric* screen, select the plus sign next to *Embroidery Smooth* and select *<None>*. Select *Next*.
- In the *Artwork source* screen, select the radio dot next to *New Image*. Use the drop down arrow and select BERNINA Large Oval Hoop, 255x145, #93. Click *Finish*.
- You will now see the workspace with the oval hoop in the design area.



- Select the *Manage the hoop options* icon and place a check mark in the *Rotate by 90°* box. Click *OK*. This will give more space to create the lettering.



- Select *Zoom All* from the *Zoom tools* located in the *Tools* toolbar. If you do not see this icon, click on the arrow in the lower left and then slide the mouse over to the *Zoom All* icon.





- Select the *Edit text* icon from the *Tools toolbar*.
- The *Tool option* pane should open at the top of the work screen displaying options for changing the text.
- Select the drop down arrow next to *Font name* and select the *Shadowed Serif* font (download this font from DaFont.com) or the font of your choice. Any TrueType or open type font that is installed on your computer will be visible on the list.
- In the *Tool options* pane at the top of the screen, change the *Font size* to 1.00 if you are working in inches. If you are working in millimeters, change the *Font size* to 25.4mm.
- Click on the screen - close to the left edge of the hoop and type the word *AWESOME*.



- Select the *Rectangle Selection* icon in the *Tools toolbar*. The word will now be selected on the screen. You will also notice that a green line will appear around the word in the *Sequence Manager*.
- In the *Tool options* pane, uncheck the box next to *Proportional*. Swipe the *Width* box and type 8.0" (or 203.20 mm). Swipe across the *Height* box and type 1.25" (or 31.75 mm). Touch *Enter* on the keyboard to activate the changes on the screen. If using another font, size the design to these approximate measurements.
- At the bottom of the screen in the *Brushed palette* you will notice a paint bucket sitting on the filled portion of the Blue square. This indicates that the word will be filled with blue paint.

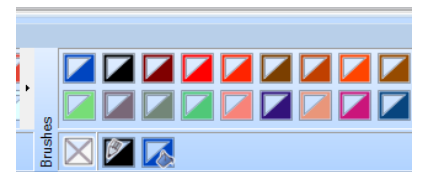
- To add an outline to the word, click in the upper left open area of the black color chip. Notice now that there is a pencil in the hollow part of the black square which denotes the outline color. If you zoom in on the word using the scroll wheel of the mouse, you will see the black outline. *Adding an outline in a different color will let the machine stop after painting the lettering. At that time you can determine if the design would look better with the outline or not. Use your machine's edit feature to move forward in the design if you choose not to paint the outline.*



- Although the individual letters making up the word may be mathematically spaced, there may be times that you would like to change the spacing to make it more visually pleasing (note the distance between the E and the S). Click on the *Edit Shape nodes* icon in the *Tools toolbar*. Notice the small nodes at the bottom of each letter. Click and drag any node it to a new position. You can also select multiple nodes at one time. To add more room between the E and the S, hold the *Control* key on the keyboard as you select the S, the O, the M, and the E. Use the arrow key on the keyboard to move these letters as a group to the right until the spacing between the E and the S is visually pleasing.
- Click on an empty space on the screen to deselect the word *AWE-SOME*.

*If Tool options pane does not open, select View from the Main Menu bar. Select Toolbars and place a check next to Tool options.*


*It is easy to switch back and forth between working in inches or millimeters. Select Tools > Options. Use the drop down arrow under Measurement System and select Metric (mm) or U.S. (inches)*





- To add additional lettering, select the *Edit text* icon in the *Tools toolbar*.
- In the *Tools option* box at the top of the screen, use the drop down arrow in the *Font name* box to select MurrayHill Bd BT. Leave the *Font size* at 1" (25.4mm).
- Click on the screen somewhere above the letter A and type "Everything is". Do not worry if the wording is outside of the hoop area.



- Select the *Rectangle selection* icon in the *Tools toolbar* to select the last group of words.
- To proportionally size the word, hover over the bottom left node until you see the left/right double arrow. Click and drag until the size of the set of words is visually pleasing. (The sample is 6" (152.4mm) wide and 1.25" (31.75mm) in height).
- Without clicking on the screen, move the mouse around until you see the  move arrows. Then click and drag the move arrows to position the set of words so that there is space between this set and the word AWESOME. Do not worry if the design is outside the hoop.

- From the *Standard toolbar* at the top of the screen, select *Edit > Select All* (or *Control A* on the keyboard) to select both sets of lettering.



- From the *Align toolbar* at the top of the screen, select *Align Centers vertically*.



- Select *Manage Hoop options*. Then place a check next to *Center design to hoop* and click *OK*.



- You are now ready to send the design to your machine by selecting the *Export* icon on the *Standard toolbar*.



## Create Appliqué Lettering

*Appliqué Lettering in DesignWorks software consists of two separate files. One file will be the embroidery file containing the placement stitch (a guideline for the cut-out appliqué fabric piece) and the cover or outline stitch that is stitched around the edges of the appliqué. The second file will be the CutWork file that will be cut with the CutWork Tool.*

### 1) Create the Embroidery File

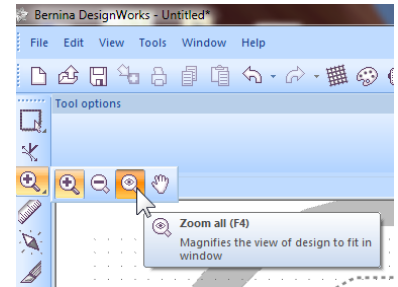
- Open BERNINA DesignWorks Software Suite Software.
- Select the radio dot next to *Create New* and click *Next*.
- In the *Fabric* screen, select the plus sign next to *Embroidery Smooth* and select *Cotton 2*. Select *Next*.
- In the *Artwork source* screen, select the radio dot next to *New Image*. Use the drop down arrow and select BERNINA Large Oval Hoop, 255x145, #44C. Click *Finish*.

**Awesome**

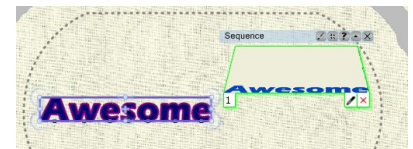
- The workspace will open and you should see the oval hoop in the design area.
- Select the *Manage the hoop options* icon and place a check mark in the *Rotate by 90°* box. Click OK. This will give more space to create the lettering.
- Select *Zoom All* from the *Tools* toolbar. If you do not see this icon, click on the arrow in the lower left and then slide the mouse over to the Zoom All icon.
- Select the *Edit text* icon from the *Tools* toolbar.
- The *Tool option* pane will open at the top of the work screen displaying options for changing the text.
- Select the drop down arrow next to *Font name* and select the *Eras Bold ITC* font or font of your choice. You may select from the list of fonts installed on your computer, but look for a chunky font.
- In the *Tool options* pane at the top of the screen, change the *Font size* to 1.00" if your screen is showing in inches. If you are working in millimeters, change the *Font size* to 25.4mm.
- Click on the screen close to the left edge of the hoop and type the word *Awesome*.



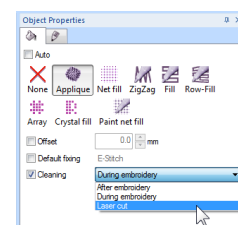
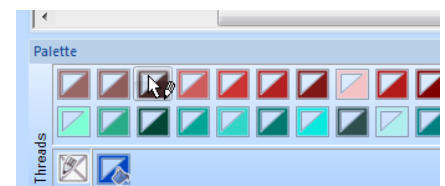
- Touch the *Rectangle Selection* icon in the *Tools* toolbar. The word will now be selected on the screen. You will also notice that a green line will appear around the word in the Sequence Manager.
- In the *Tool options* pane, uncheck the box next to *Proportional*. Swipe the *Width* box and type 8.0" (203.2 mm). Swipe across the *Height* box and type 2.5" (63.5mm). Touch *Enter* to activate the changes on the screen. If using another font, size the design to these approximate measurements.
- Select the *Manage the hoop options* icon and place a check next to *Center design to hoop*.
- DesignWorks Software defaults to a PaintWork fill (note the paint bucket icon in the filled blue color chip in the Brushes Palette).
- To change this to an appliqué design, select *Appliqué* in the *Fill tab* in *Object Properties*. You will now notice that the paint bucket has moved to the filled portion of the blue color chip in the *Threads palette*. The blue fill on the screen now serves as a depiction of blue fabric. The software has added a blanket stitch around the letters.
- Place a check mark next to *Cleaning* in the *Fill tab* of *Object Properties*. Use the drop down arrow to the right and select *Laser Cut*. Selecting *Laser Cut* creates the guideline for placing the appliqué fabric.



If the *Tool option* pane does not open, select *View* from the *Main Menu* bar. Select *Toolbars* and place a check next to *Tool options*.



If the *Sequence Manager* does not open, select *View* from the *Main Menu* bar. Place a check mark next to *Sequence Manager*.



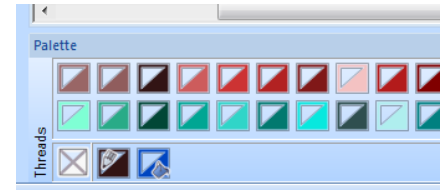
- If you wish to choose a different outline stitch than the default blanket stitch, first select an outline color—place your cursor in the hollow upper left corner of the *Seal Brown* color chip in the *Threads palette*. There is a brown color chip at the bottom with a pencil icon in the hollow area.
- Select the *Outline tab* in *Object Properties*. You have many outline options to choose from. Click on *Running*, and you could select from one of the many stitch types in the *Styles* box. For this lesson, click on the *Satin Serial* icon. The software defaults to *None* in the *Patterns* box. This will create a simple satin outline. Leave the settings at the bottom of the box at their defaults.
- Select *File > Save As*. Navigate to the folder of your choice and save the design as “Awesome Appliqué”.
- The design is now ready to be sent to the machine by selecting the *Export* icon. But first, you need to create the CutWork File so you can cut the fabric letters using the CutWork Tool.

## 2) Create the CutWork File

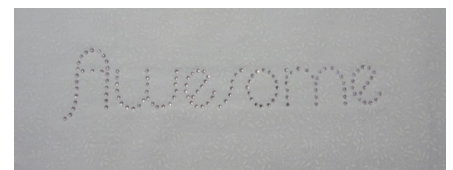
- Select *File > Save As*. Navigate to the folder of your choice and save this design as Awesome CutWork.
- With the word selected, select the *Fill tab* in *Object Properties*. Then select *None*.
- Select the *Line* tab and select *CutWork*.
- Optional, but suggested: Place a check mark next to *Running before*. Swipe across the box next to *Offset* and type 1 mm. This will create a line of stitching that will stitch the fabric layer(s) to the base stabilizer and help the fabric cut better.
- The CutWork file is now ready to be sent to the machine by clicking on the *Export* icon at the top of the screen.

## Create the CrystalWork Lettering

- Open BERNINA DesignWorks Software Suite Software.
- Select the radio dot next to *Create new* and click *Next*.
- In the *Fabric* screen, select the plus sign next to *Embroidery Smooth* and select *<None>*. Select *Next*.
- In the *Artwork source* screen, select the radio dot next to *New Image*. Use the drop down arrow and select BERNINA Large Oval Hoop, 255x145, #48. Click *Finish*.
- You will now see the workspace with the oval hoop in the design area.
- Select the *Manage the hoop options* icon and place a check mark in the *Rotate by 90°* box. Click *OK*. This will give more space to create the lettering.



*It is important that the design not be re-sized or manipulated at this point so that the cut fabric will fit in the appliqué design.*





- Select *Zoom All* from the *Zoom tools* located in the *Tools* toolbar. If you do not see this icon, click on the arrow in the lower left and then slide the mouse over to the *Zoom All* icon.



- Select the *Edit text* icon from the *Tools* toolbar.
- The *Tool option* pane will open at the top of the work screen and displaying options for changing the text.
- Select the drop down arrow next to *Font name* and select the *Quadranta* font (download from DaFont.com) or other font of your choice. You may select from the list of fonts installed on your computer, but not all will work well with CrystalWork. Experiment with different fonts until you find one that works well for you.
- In the *Tool options* pane at the top of the screen, change the *Font size* to 1.00 if your screen is showing in inches. If you are working in millimeters, change the *Font size* to 25.4mm.
- Click on the screen close to the left edge of the hoop and type the word *Awesome*.



- Select the *Rectangle Selection* icon in the *Tools* toolbar. The word will now be selected on the screen. You will also notice that a green line will appear around the word in the Sequence manager.
- In the *Tool options* pane, uncheck the box next to *Proportional*. Swipe the *Width* box and type 7.5" (190.5 mm). Swipe across the *Height* box and type 2.25" (57.15 mm). Touch *Enter* on the keyboard to activate the changes on the screen. If using another font size the design to these approximate measurements.

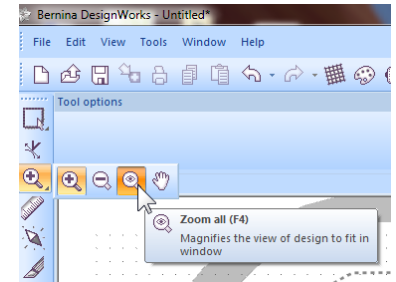


- Select the *Manage the hoop options* icon and place a check next to *Center design to Center design to hoop*. Click *OK*.
- DesignWorks Software defaults to a PaintWork fill (note the paint bucket icon in the filled blue color chip in the Brushes Palette). To change to a CrystalWork fill, in the *Fill* tab of *Object Properties* select *Crystal Fill*.

- Select 6 in the *Size* box.
- Select *Rose* in the *Color/Shape* box. Use the drop down arrow to the right in the *Color/Shape* box is *Rose* is not visible
- Use the drop-down arrow and select *Single Line* in the *Fill* box.
- Deselect the word by clicking on an empty space on the screen.
- If you are happy with the way the crystals look, then you are ready to send the file to the machine to be punched.



- Select *File > Export > Crystals to Machine*. Then select the *BERNINA Selection Device* to send the file to the USB stick.



If the *Tool option* pane does not open, select *View* from the *Main Menu bar*. Select *Toolbars* and place a check next to *Tool options*.

