

BERNINA Embroidery Software 8

DesignerPlus



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www.bernina.com/V8

made to create **BERNINA**

REFERENCE MANUAL

BERNINA Quilter

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CHAPTER 1

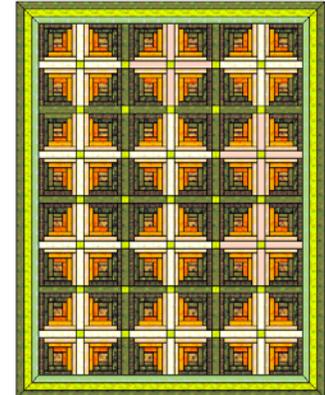
INTRODUCTION TO BERNINA QUILTER

Patchwork is a popular technique for designing and sewing patches into blocks. BERNINA Quilter can be used to design patchwork quilts, either from existing designs or patterns, or from designs of your own making. Use BERNINA Quilter to experiment with patches and colors enabling you create beautiful, personalized quilts.

Blocks on a quilt can be filled with patches of either patterned or plain fabric. BERNINA Quilter includes a large selection of patchwork blocks and fabrics, but you can also scan your own and store them in a quilting library.

When a quilt design is complete you can print it out, showing the blocks, how they are constructed, as well as yardage, sewing and cutting details.

This section provides an overview of patchwork and quilting.

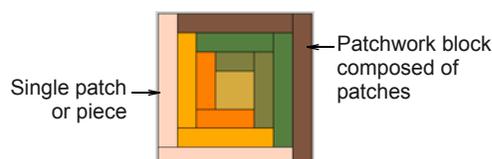


Patchwork quilt designs

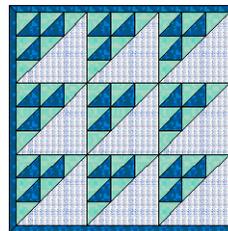
Patchwork and quilting are related and complementary techniques. BERNINA Quilter is essentially a design tool to help you put together quilts combining patchwork, embroidery, and appliqué. Use BERNINA Quilter to plan and lay out your patchwork blocks on screen, select your fabrics, and add embellishments such as appliqué and embroidery.

Patchwork

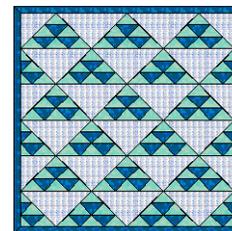
A 'patchwork block' is a collection of patches sewn together, usually forming a regular shape such as a rectangle. A 'patch' is a single piece of fabric sewn with others into a set arrangement to form a patchwork block. Sewing patches together into blocks is known as 'piecing'.



Blocks are then sewn together, either in a straight square format, on-point, or as diamond shapes.



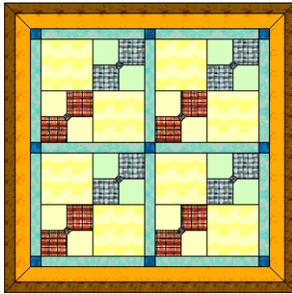
Square



On-point

Although some quilts have patchwork extending out to the edge, the majority have one or more borders. Some also have narrow strips of fabric, called 'sashing', to separate the blocks. Borders and sashes can alter the size and appearance of your quilt. They can be used to frame and soften a busy design. Borders can also be used to enlarge a quilt so that it

fits a standard bed. More than one border may be used on each quilt.



With borders and sash

Many quilts use a combination of fabrics similar in color and value for the background. Patchwork patterns are created by the contrast between light, medium and dark fabrics. Contrast in color depth is critical to some designs. It is good practice to select your background color before deciding on your other design colors.



Contrast between light, medium and dark fabrics

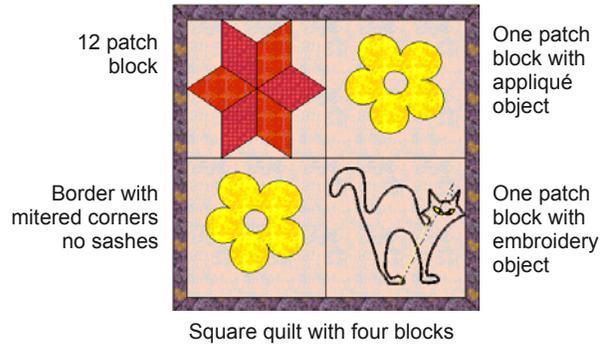


Creating 3D effects



Using a dominant color

With BERNINA Quilter you can also add appliqué and embroidered objects to the quilt.



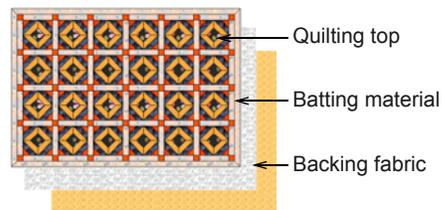
Square quilt with four blocks

Plan your quilt by working out the overall measurements, then calculate how many blocks, borders and sashes are to be used. Decide which patchwork blocks are to be used and how you will use color. Try out various arrangements and colors until you find one that you like.

Quilting

A quilt is like a sandwich formed of three layers:

- ▶ **Quilt top:** a collection of patches sewn together, usually forming a regular shape such as a rectangle and may include borders and sashes.
- ▶ **Batting:** a layer of padded material between the front and back fabric to add thickness and substance.
- ▶ **Backing:** a layer of fabric added to the back of a quilt to encase the batting.



Quilting involves sewing decorative designs on quilts. These designs use run stitches to divide the fabric into sections, giving a pattern of raised areas. Quilting can be done either by hand, or by free motion using a sewing machine.



Tip A quilt can be a combination of patchwork and quilting using patchwork blocks pieced together with quilting stitches.

Quilt sizing

BERNINA Quilter uses inches (in) for measuring designs. Use the table to convert between imperial and metric measurements. You will find it easier to use the decimal equivalent for imperial measurements when working out quantities with a calculator.

Metric (mm)	Imperial (inch)	Decimal (inch)
3	1/8	0.125
6	1/4	0.25
9	3/8	0.375
12	1/2	0.5
16	5/8	0.625
19	3/4	0.75
22	7/8	0.875
25	1	1.0
50	2	2.0
75	3	3.0
100	4	4.0
130	5	5.0
150	6	6.0
225	9	9.0
250	10	10.0
300	12	12.0
450	18	18.0
500	20	20.0
900	36 (1 yard)	36.0
1000 (1 meter)	40	40.0

Use the table below as a rough guide to the most common quilt sizes. It will vary according to the blocks you use.

Quilt	Imperial (inches)	Metric (cm)
Baby	36-45 x 45-54	90-115 x 115-137
Cot	42-48 x 54-60	107-122 x 137-152
Single	56-64 x 84-100	142-162 x 213-254
Double	70-80 x 84-100	178-203 x 213-254
Queen	76-84 x 90-104	193-213 x 228-264
King	92-100 x 90-104	234-254 x 228-264
Jumbo	120-124 x 120-124	304-315 x 304-315

Launching BERNINA Quilter



Use Applications > Quilter to launch BERNINA Quilter from within BERNINA Embroidery Software.

Launch BERNINA Quilter from within BERNINA Embroidery Software.

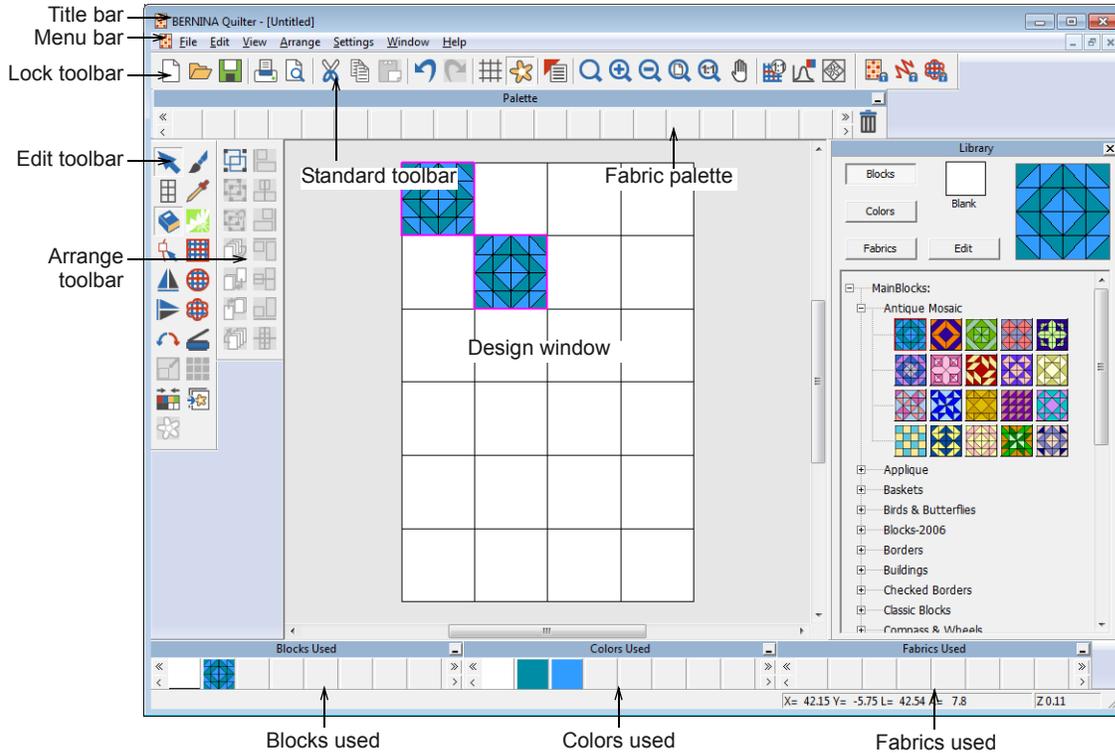
To launch BERNINA Quilter

- ▶ Run BERNINA Embroidery Software.
- ▶ Go to the **Applications** toolbox and select **Quilter**.



- ▶ Alternatively, you can also launch BERNINA Quilter by pressing **Ctrl+Q**.

BERNINA Quilter opens in its own design window.



Quilting basics

Quilting design involves a different technique from ordinary embroidery design. For this reason, the BERNINA Quilter application has its own design window which you open from within BERNINA Embroidery Software.

Changing grid settings



Click Show Grid (Standard toolbar) to show or hide the grid. Right-click to open the Grid dialog.

BERNINA Quilter lets you:

- ▶ Show or hide the grid
- ▶ Set the grid spacing
- ▶ Snap objects to the grid or other outlines.

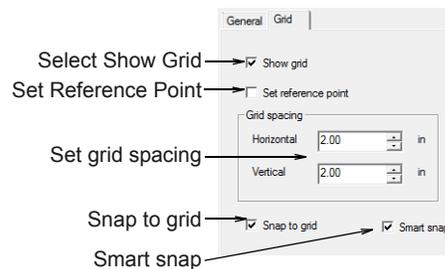


Note BERNINA Quilter uses inches (in) for measuring designs, unlike the BERNINA Embroidery Software which can toggle between millimeters and inches.

To change grid settings

- 1 Right-click the **Show Grid** icon.

The **Options > Grid** tab opens.



- 2 Select the **Show Grid** checkbox to display the grid.
- 3 Select the **Set Reference Point** checkbox to align a significant point of the design with a grid line or grid point.
For example, you can set the grid reference point to the design center. This is easier and faster than moving the whole design.
- 4 Enter **Grid Spacing** values for horizontal and vertical grid lines.
- 5 Select the **Snap to Grid** checkbox.
Objects only snap to the grid if you are close to the grid line.



Tip To temporarily disable **Snap to Grid** as you digitize, hold down **Alt**.

- 6 Select **Smart Snap** (with **Snap to Grid** off) to make each digitizing or control point snap to existing outlines.
- 7 Click **OK**.

If you selected **Set Reference Point**, mark the reference point on your design. The grid aligns so that horizontal and vertical grid lines intersect at this point.



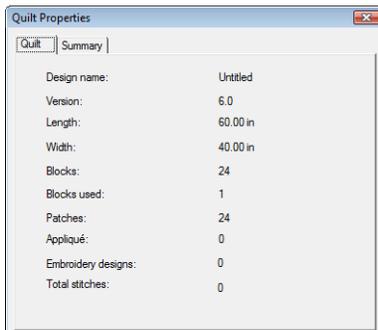
Tip To hide the block lines on the quilt, press **Ctrl+L**.

Viewing quilt design information

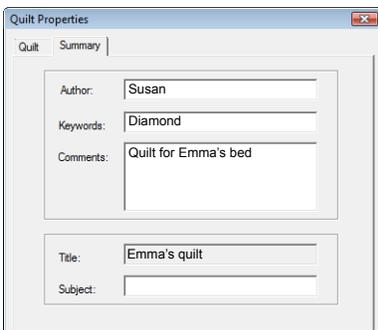
The **Quilt Properties** dialog provides quilt information such as the number of blocks, appliqué, and embroidery details. Use the **Summary** tab to add your name as well as stitching and general information. The **Author** name is included on printouts.

To view quilt design information

- 1 Select **File > Quilt Properties**.
The **Quilt Properties > Quilt** tab opens.



- 2 Enter your name and any other information you want to save with the quilt design.



- 3 Click **OK**.

Saving BERNINA Quilter designs

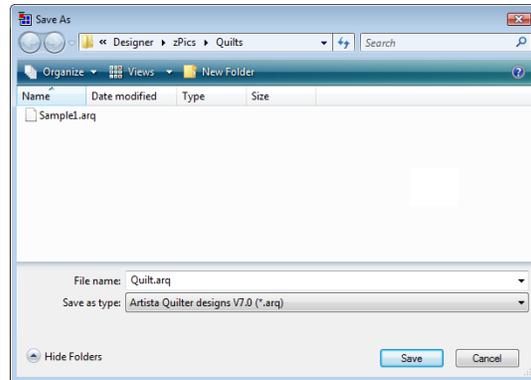


Use **Save** (Standard toolbar) to save BERNINA Quilter files.

Save your design early and often. BERNINA Quilter designs are saved in ARQ format which can only be read by BERNINA Quilter.

To save BERNINA Quilter designs

- 1 Select **File > Save**.
If this is the first time you have saved the design, the **Save As** dialog opens. The file is saved as an ARQ file.
- 2 Select the BERNINA Quilter (ARQ) file type from the **Files of Types** list.



Note You can only save in ARQ format.

- 3 Type a new name for the design and click **Save**.

Setting up the quilt layout



Use **Quilt Layout** (Edit toolbar) to set up or change the quilt layout.

When you create a new quilt design, you set up the format of the blocks, add a sash between them, and add one or more borders to the edge of the quilt. You need to set up the layout before you can add fabrics, colors, appliqué or embroidery. Layout is based on a block format which can be changed by:

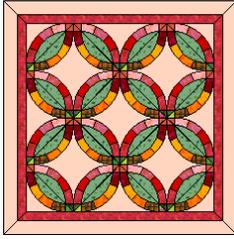
- ▶ Rotating the blocks on their points or in a diamond layout
- ▶ Changing the number of blocks in each row and column, or
- ▶ Changing the size of the blocks.



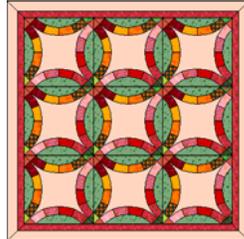
Note Set up the layout of the quilt before adding fabrics, colors, appliqué or embroidery.

Changing the block layout

Blocks can be either horizontal, making a square pattern, 'on-point', or in a diamond pattern.



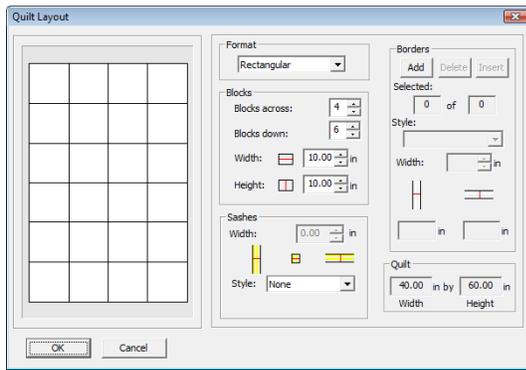
On-point



Square

To change the block layout

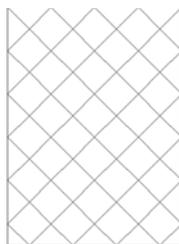
- 1 Open a quilt design.
- 2 Click the **Quilt Layout** icon.
The **Quilt Layout** dialog opens.



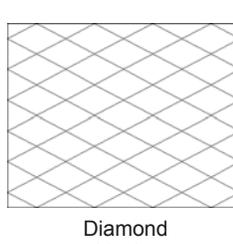
- 3 Select a format:
 - ▶ Rectangular
 - ▶ Diamond
 - ▶ On Point
- 4 Click **OK**.



Rectangular blocks



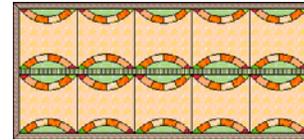
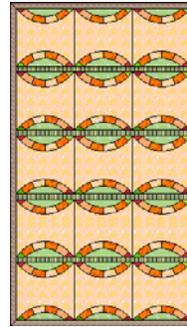
On-point blocks



Diamond blocks

Changing the number of blocks

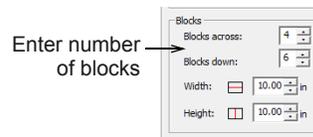
You can alter the look of the quilt by changing the number of blocks in each row and column.



Same size block but different numbers

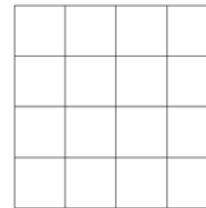
To change the number of blocks

- 1 Open a quilt design.
- 2 Click the **Quilt Layout** icon.
The **Quilt Layout** dialog opens.



- 3 Enter **Blocks** options:

- ▶ Blocks across
- ▶ Blocks down



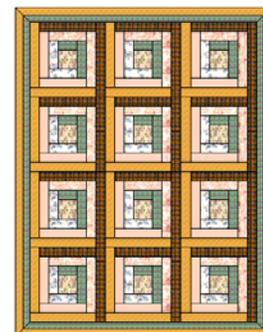
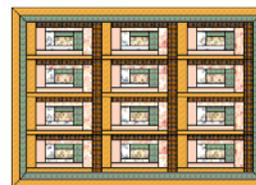
Blocks across: 4
Blocks down: 4

Blocks across: 4
Blocks down: 6

- 4 Click **OK**.

Changing the size of blocks

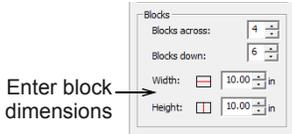
You can alter the look of the quilt by changing the size of the blocks.



Same number of blocks but different sizes

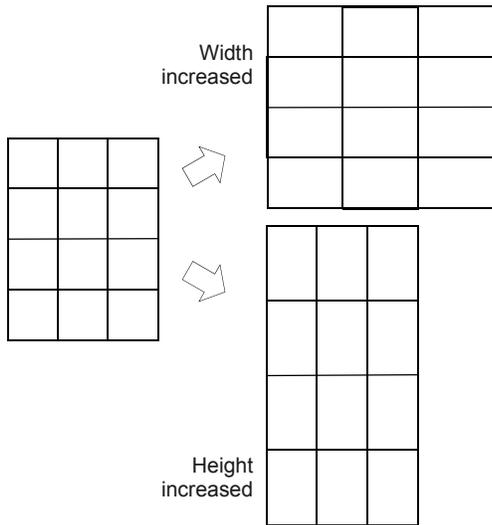
To change the size of blocks

- 1 Open a quilt design.
- 2 Click the **Quilt Layout** icon.
The **Quilt Layout** dialog opens.



- 3 Enter **Block** options:

- ▶ Block Width
- ▶ Block Height



- 4 Click **OK**.

Adding sashes between blocks

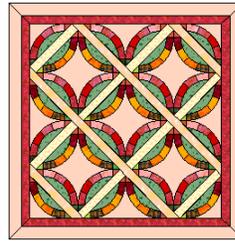
Narrow pieces of fabric called sashes can be inserted between the quilt blocks to separate them. Sometimes small sash squares are added at the junctions. You can also add sash borders depending on the sash style selection.

Adding sashes

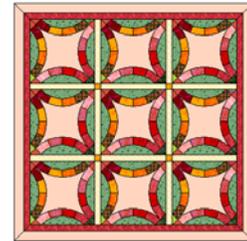
A sash between the blocks can be added and adjusted by:

- ▶ Changing the width of the sash
- ▶ Changing the style of the sash

- ▶ Adding a sash border.



On-point square sashes

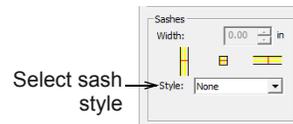


Rectangular square sashes

When sashes are added, the quilt size increases to accommodate the sash dimensions. The size of the blocks stays the same.

To add a sash between the blocks

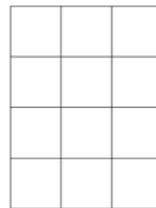
- 1 Open a quilt design.
- 2 Click the **Quilt Layout** icon.
The **Quilt Layout** dialog opens.



- 3 Select a **Sashes** style.



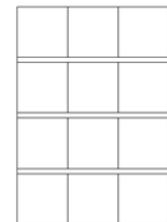
Note The sash styles are different for rectangular and on-point layout.



No sashes



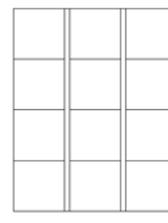
Sash squares



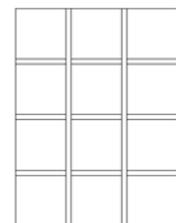
Horizontal sash



Horizontal sash on top



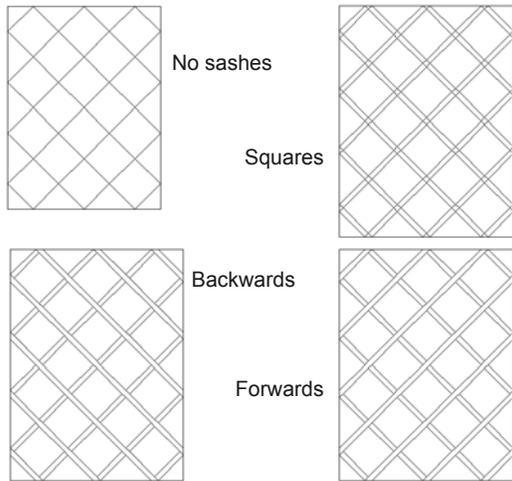
Vertical sash



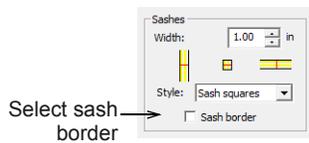
Vertical sash on top



Note Selection of **None** hides the **Sash Border** checkbox.

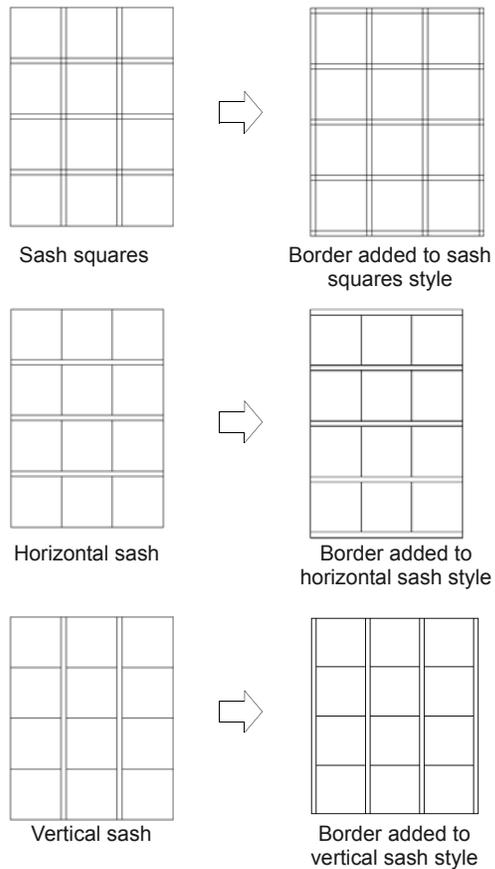


4 Select the **Sash Border** checkbox to add a sash border around the quilt.



The border reflects the sash style you have chosen – e.g if you have chosen a horizontal sash, the

border is added to the top and bottom of the quilt only.



5 Click **OK**.

Changing the width of the sash

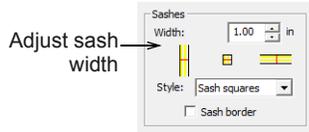
A sash between the blocks can be adjusted by changing the width of the sash.



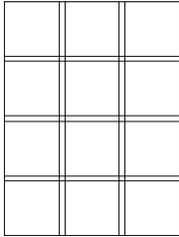
To change the width of the sash

- 1 Open a quilt design.
- 2 Click the **Quilt Layout** icon.

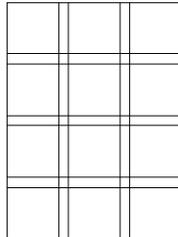
The **Quilt Layout** dialog opens.



- 3 Select a **Sashes** style.
- 4 Enter a **Sashes Width**.



Sashes width: 1 inch



Sashes width: 2 inches

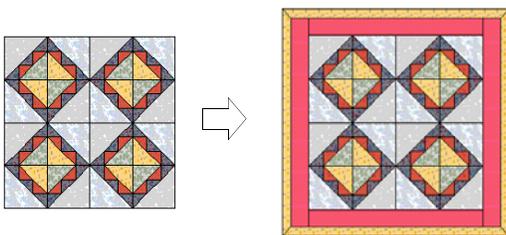
- 5 Click **OK**.

Adding borders around the quilt

One or more borders can be added around outside of the quilt. Borders can reflect the style of the quilt, choose from square, mitered, vertical, horizontal or block style.

Adding borders

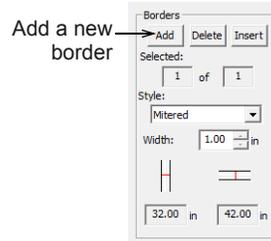
Adding a border places a new border on the outside of the quilt, whereas inserting a border places it inside the selected border.



To add borders

- 1 Open a quilt design.
- 2 Click the **Quilt Layout** icon.
The **Quilt Layout** dialog opens.
- 3 In the **Border** panel, click the **Add** button.

The new border is added and highlighted.

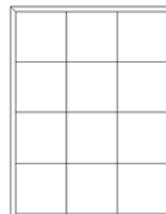


Tip Click the **Add** button again to add another border.

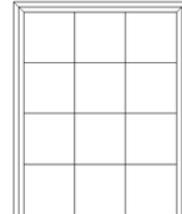
- 4 Click **OK**.



No border



Single border



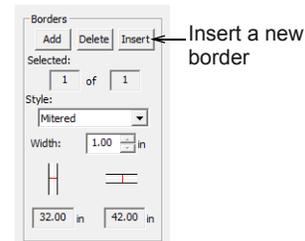
Two borders

Inserting borders

One or more borders can be inserted inside the selected border.

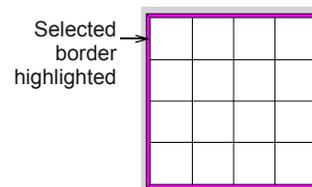
To insert borders

- 1 Open a quilt design.
- 2 Click the **Quilt Layout** icon.
The **Quilt Layout** dialog opens.



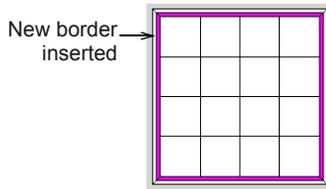
Note To activate the **Insert** button, add a border.

- 3 Select a border.



- 4 In the **Border** panel, click the **Insert** button.

The new border is inserted inside the selected border.

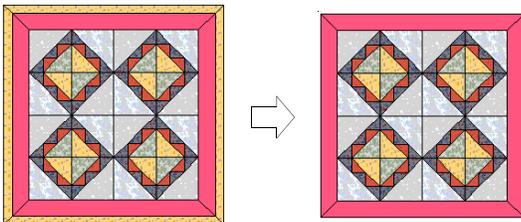


Tip Click the **Insert** button again to insert another border.

- 5 Click **OK**.

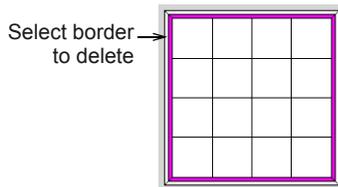
Deleting borders

Just as they can be inserted, borders can be deleted.



To delete borders

- 1 Open a quilt design.
- 2 Click the **Quilt Layout** icon.
The **Quilt Layout** dialog opens.



- 3 Select the border to delete.
- 4 In the **Border** panel, click the **Delete** button.

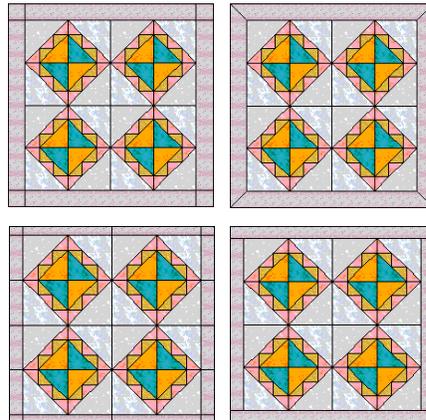


Tip Click the **Delete** button again to delete the next border.

- 5 Click **OK**.

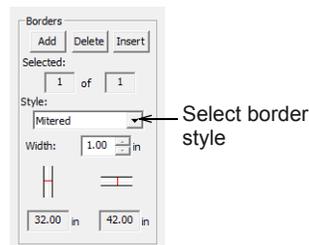
Changing border style

Quilt borders can be changed using different styles. Each border can use a different style.

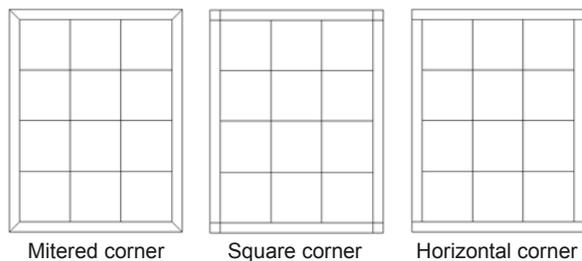


To change border style

- 1 Open a quilt design.
- 2 Click the **Quilt Layout** icon.
The **Quilt Layout** dialog opens.



- 3 Select a border.
- 4 Select a **Border Style**.



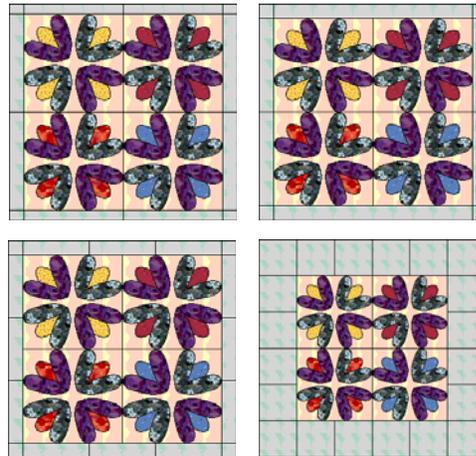
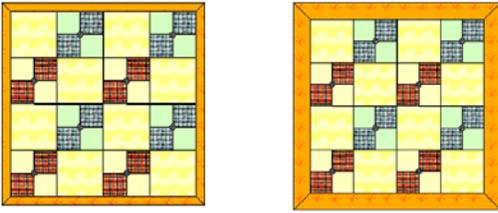
- 5 Click **OK**.

Changing border width

Quilt borders can be adjusted to the exact width needed to suit the quilt. If you select the rectangle

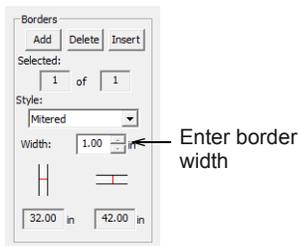
border, you can also change the number of rectangles along each side, as well as making them square.

You can also change the number of rectangles along each side, as well as making them square.

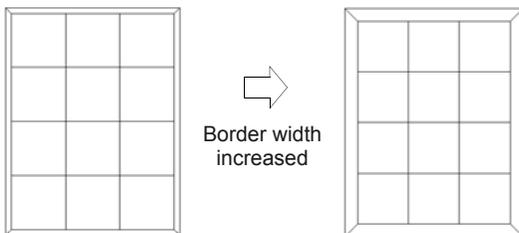


To change border width

- 1 Open a quilt design.
- 2 Click the **Quilt Layout** icon.
The **Quilt Layout** dialog opens.
- 3 Select a border.



- 4 Enter the border width.



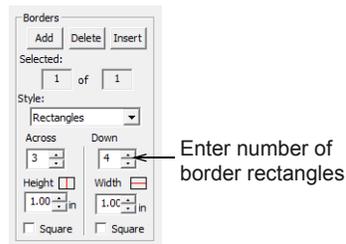
- 5 Click **OK**.

Adjusting rectangle borders

Rectangle borders can be adjusted so that the top and bottom border widths are different to the side width.

To adjust rectangle borders

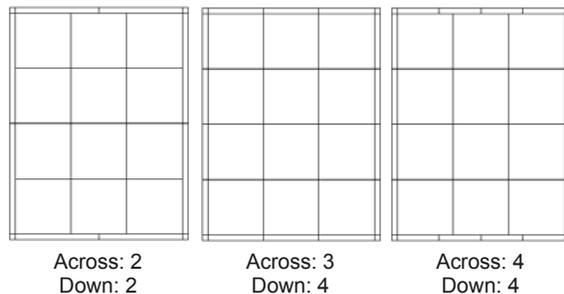
- 1 Open a quilt design.
- 2 Click the **Quilt Layout** icon.
The **Quilt Layout** dialog opens.
- 3 Select **Rectangles** border from the **Borders Style**.



- 4 Enter number of border rectangles:
 - ▶ **Across:** across the top and bottom of the quilt.
 - ▶ **Down:** down the sides of the quilt.

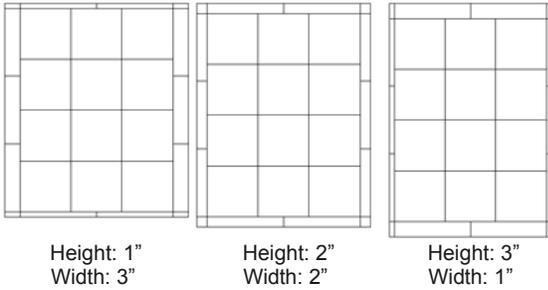


Note This does not need to be the same as the number of blocks across or down the body of the quilt.

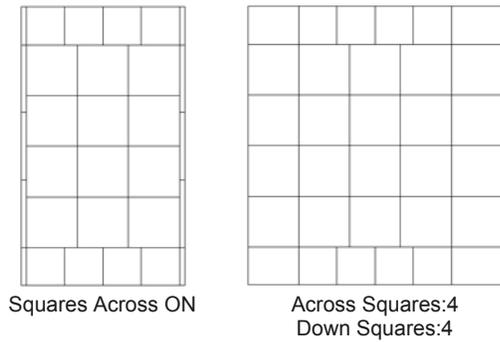


- 5 Enter height of border rectangles across the quilt and their width down the quilt.

- ▶ **Height:** set height of border rectangles.
- ▶ **Width:** set width of border rectangles.



- 6 Select the **Square** checkbox to make the border rectangles square, across and/or down the quilt.



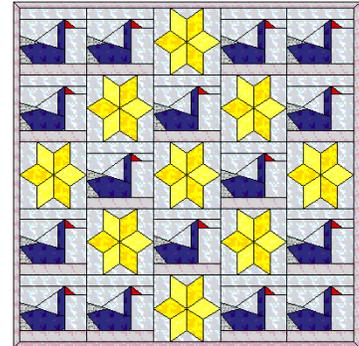
- 7 Click **OK**.

CHAPTER 2

QUILTER ESSENTIALS

In BERNINA Quilter you can create and visualize a complete quilt design, select, recolor and view quilt blocks, add fabrics, then edit and view the entire quilt layout. Print out a plan of the finished quilt, both the whole quilt and all component patchwork blocks and pieces, as well as cut templates for patchwork pieces and patchwork blocks. BERNINA Quilter can also calculate and print out how much of each fabric you will need.

This section describes how to set up a quilt design, how to add patchwork blocks and fabrics, as well as how to organize patchwork blocks and fabrics on screen. Printing quilt designs and design file handling are also covered.



Using images

Bitmap images can be inserted or scanned into BERNINA Quilter for use as digitizing backdrops for embroidery or appliqué, or as fabric samples. As with BERNINA Embroidery Software, you can show or hide a bitmap backdrop temporarily. See [Digitizing with Backdrops](#) for details.

Scanning backdrops and fabrics



Use Scan Artwork (Edit menu) to scan a bitmap image or fabric into BERNINA Quilter.

The scanning feature in BERNINA Embroidery Software allows you to use most TWAIN-compatible scanners. You can use any scanning software provided that it can save the image in one of the compatible formats. When scanning a fabric, set the scan to 256 colors, 100% and 72 dpi (dots per inch). These settings will give a small file which will display well on your screen without taking up too much disk space or memory.



Tip If an image needs to be resized or rotated, it is best to do so during scanning. Scaling afterwards may distort the image.

To scan a backdrop or fabric

- 1 Set up your scanner. See [Setting up scanners](#) for details.
- 2 Prepare the artwork or fabric for scanning.
- 3 Create a new file or open a quilt design you want to insert the fabric into.
- 4 Click the **Scan Artwork** icon.
Your scanning program will open.
- 5 Choose a scanning mode and resolution. See [Scanning artwork](#) for details.
- 6 Preview the image in the scanning program.
- 7 Select the area to be scanned and scan the image.
- 8 Save the scanned image in a compatible format such as BMP.

Inserting pictures



Use Load Artwork (Edit toolbar) to open a picture.



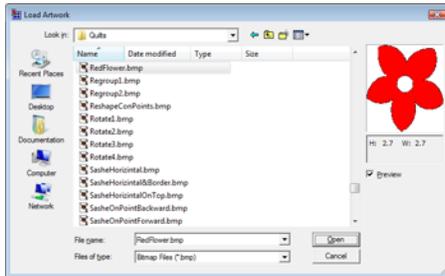
Use Scan Artwork (Edit toolbar) to scan your artwork or fabric.

You can insert bitmap images of various formats for use as digitizing backdrops for embroidery or appliqué. You can also insert bitmap images of fabrics

for storing in the **Fabrics Library**. See [Creating fabric samples](#) for details.

To insert a picture

- 1 Click the **New** icon.
A new file opens.
- 2 Click the **Load Artwork** icon.
The **Load Artwork** dialog opens.



- 3 Select a folder from the **Look In** list.
- 4 Select a file type from the **Files of Type** list – e.g. BMP.
- 5 Select the file you want to insert.



Tip Select the **Preview** checkbox to preview the selected file.

- 6 Click **Open**.

Viewing and hiding picture

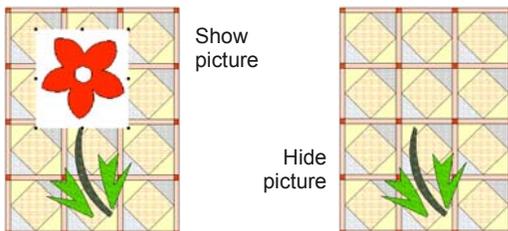


Select Show/Hide Artwork (Standard toolbar) to show or hide the picture.

You can show or hide a bitmap backdrop temporarily.

To view or hide a picture

- ▶ Click the **Picture** icon to show the image.
- ▶ Click it again to hide the image.

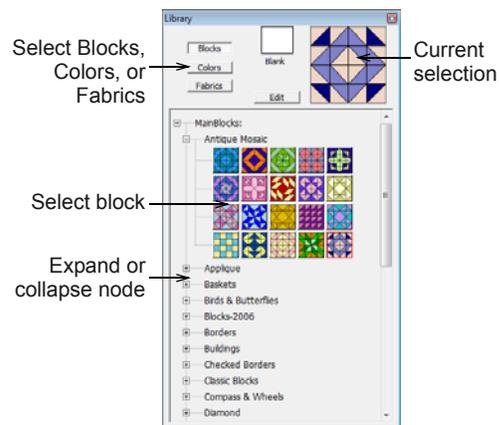


Adding blocks and fabrics to the quilt

With BERNINA Quilter you use a built-in 'library' to add patchwork blocks to your quilt. These are stored in a **Blocks Library**. Once they have been added to the design, you add your chosen fabrics. Colors and fabrics that make up the quilt design are organized into either the **Colors Library** which contains solid colors or the **Fabrics Library** which contains a selection of scanned fabrics.

Blocks Library

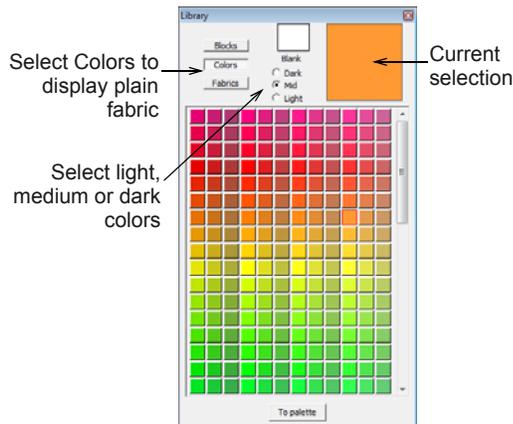
The **Blocks Library** contains traditional patchwork designs such as 'Log Cabin' or 'Wild Goose Chase' which can be used as a starting point for your design. Use one patchwork block type over the whole quilt or mix and match a number of different ones. You can change the appearance of your quilt easily by rotating blocks, changing the colors and patterns of the fabrics used. Experiment with different effects until you find the one you like best.



When you have designed your quilt, you can print out a list of how much of each fabric you need as well as cutting templates of the patches needed, complete with or without seam allowances.

Colors Library

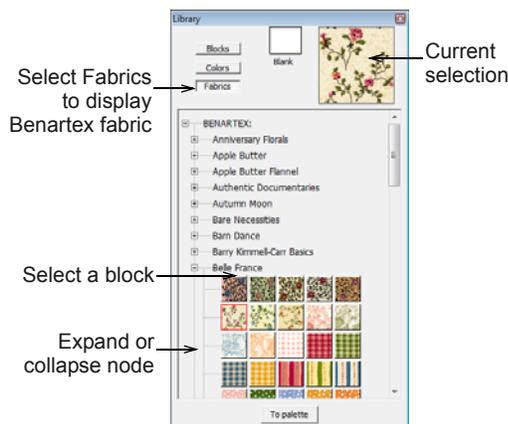
The **Colors Library** includes a range of solid colors divided into light, medium and dark.



Choose a solid color from the **Colors Library** to match a plain fabric that you already have, or use a color printout to find a matching fabric from your fabric store.

Fabrics Library

The **Fabrics Library** contains a range of scanned fabric samples from the Benartex range. These can be ordered from Benartex or your local fabric store. The order number is displayed as a tooltip. The fabrics are organized into categories of like fabrics. You can add your own scanned fabrics to this library.



Note You can also scan plain fabrics and save them in the **Fabrics Library**. See also [Managing backdrops and fabric samples](#).

Adding patchwork blocks to quilts



Use Library (Edit toolbar) to display and choose patchwork blocks.

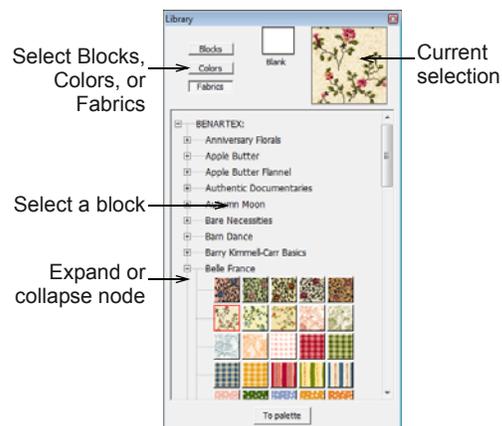


Use Paintbrush (Edit toolbar) to select and add patchwork blocks to the quilt.

The block library contains an assortment of patchwork blocks organized into categories. You can change blocks at any time. Once they have been added to the design, you can then add your chosen fabrics.

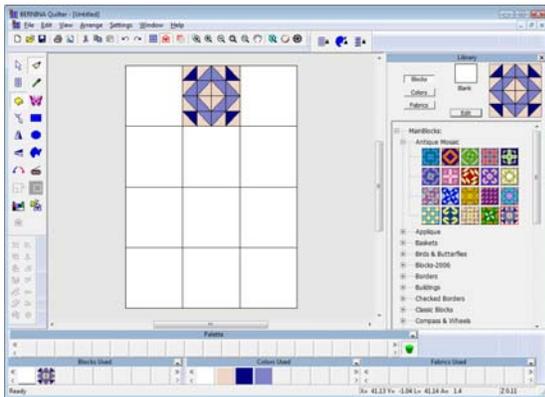
To add patchwork blocks to a quilt

- 1 Open BERNINA Quilter and set up the quilt layout. See [Setting up the quilt layout](#) for details.
- 2 Click the **Library** icon.
The **Library** dialog opens to the right of the window.
- 3 Click the **Blocks** button.
A listing of all pre-defined patchwork blocks appears by category.
- 4 Click **+** in the listing to display the contents of a category.

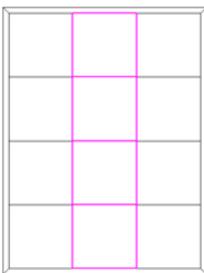


- 5 Select a block or blocks on the quilt.
To select multiple blocks, either:
 - ▶ Drag a bounding box around a group of patchwork blocks, or
 - ▶ Holding down the **Ctrl** key, click to select the blocks you require.
- 6 Select a patchwork block from the library.

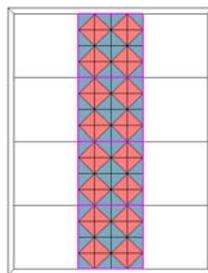
The patchwork block is copied to the design window.



If more than one block is selected, the patchwork block is copied to all selected blocks.



Selected blocks highlighted

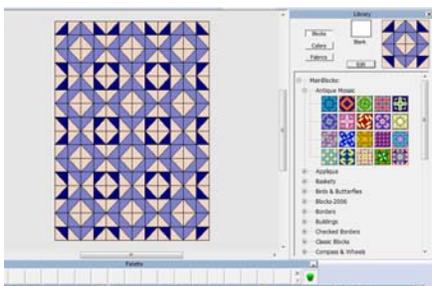


All filled with the selected patchwork block from the library

- 7 Continue selecting patchwork blocks as required. See also [Adding patchwork blocks to quilts](#).



Tip To add a single patchwork to all blocks in the quilt, hold the **Ctrl** key and click any block in the quilt.



Previewing fabrics

The fabric samples in the library are small and it is hard to get an idea of what they would look like in a large area. You can display a large sample of any fabric at actual size to help you choose your favorite fabrics.

To preview a fabric

- In the library, select a fabric:
 - Click the **Colors** button for solid colors.
 - Click the **Fabrics** button for fabrics.
- Press **Alt** and hold the mouse button down while you click a fabric sample.

A large display of the pattern fills the whole design window, at a zoom factor of 1:1. When the mouse is released the display returns to normal.



Adding fabrics to the quilt

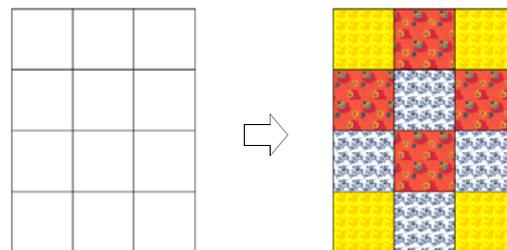


Use Library (Edit toolbar) to display and choose solid or fabrics to the quilt.



Use Paintbrush (Edit toolbar) to select and add fabrics to the quilt.

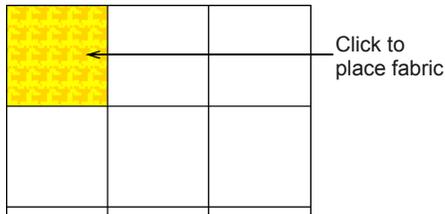
Add solid or pattern fabrics to individual blocks or to the whole quilt.



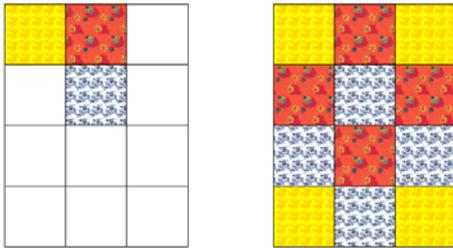
To add fabrics to the quilt

- Open a quilt design.
- Click the **Library** icon.
- Select **Colors** or **Fabrics** in the **Library** dialog:
 - For solid colors, click the **Colors** button, then select a tone, light, mid or dark.
 - For fabrics, click the **Fabrics** button, then click **+** to display the fabrics.
- Select the color of fabric you require.

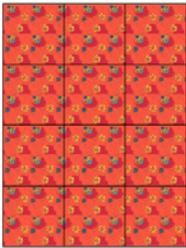
5 Click the block where you want to place the fabric.



6 Continue until all the fabrics are added.

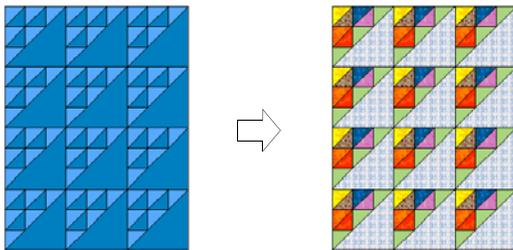


Tip To add a single fabric to all blocks in the quilt, hold the **Ctrl** key and click any block in the quilt.



Adding fabrics to patchwork pieces

You can add fabrics to patchwork pieces individually or as a group.

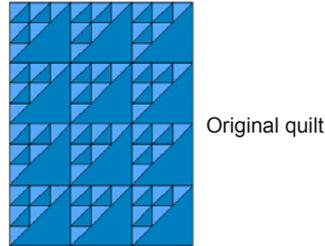


To add fabrics to a patchwork piece

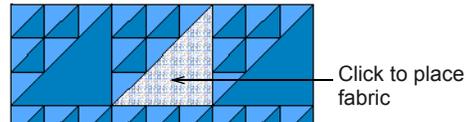
- 1 Open a quilt design.
- 2 Add your patchwork blocks. See [Adding patchwork blocks to quilts](#) for details.
- 3 Click the **Library** icon.
- 4 Select **Colors** or **Fabrics** in the **Library** dialog:
 - ▶ For solid colors, click the **Colors** button, then select a tone, light, mid or dark.

▶ For fabrics, click the **Fabrics** button, then click **+** to display the fabrics.

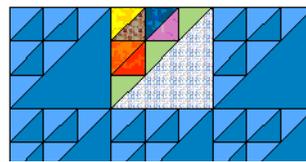
5 Select a color or actual fabric.



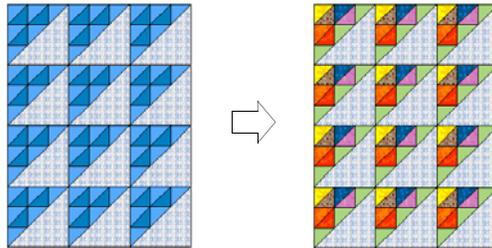
6 Click where you want to place the color or fabric.



7 Continue until all the fabrics are added.



Tip To add the fabric to all geometrically equivalent patchwork pieces, hold **Ctrl** as you click.

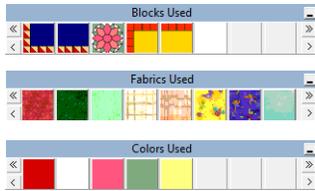


Viewing blocks and fabrics used in the design

Panels at the bottom of the design window each display up to eight patchwork blocks, colors, or fabrics used in the quilt.

To view blocks and fabrics used in the design

- ▶ Use the scroll buttons (< or >) to move the display one tile to the left or right.



- ▶ Click the double scroll buttons (<< or >>) to move the display to the end left or right.



Note The blocks are shown in their original library colors, orientation and shape, even if the blocks on the quilt have been recolored, rotated and/or skewed.

Viewing quilt designs

BERNINA Quilter provides many viewing modes to make it easier to work with your design. Zoom in on an area to see more detail, view the design at actual size or zoom out to see the whole design. Pan across the design instead of scrolling, and quickly change between one view and the last. You can show or hide design elements with a variety of display settings. You can turn object outlines on or off. You can show a line drawing representation of the quilt blocks together with any appliqué or embroidery as well as a blended color version.

Panning across designs



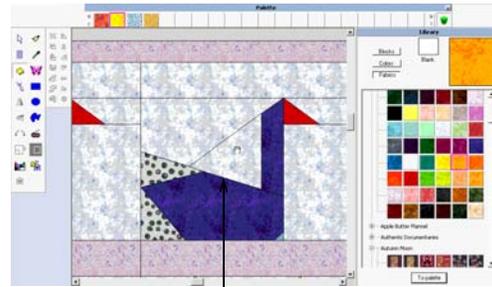
Use Pan (Standard toolbar) to pan the quilt design.

In addition to the scroll bars, panning provides a quick way to view parts of a design which are not currently visible in the design window. Panning is typically used after zooming in on an area.

To pan across a design

- 1 Select the **Pan** icon.

- 2 Click and drag the quilt until it is in the correct position.



Click & drag

Displaying black & white outlines



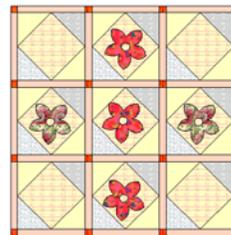
Use Show Outlines (Standard toolbar) to show only black outlines of the quilt blocks.

If the quilt has a busy pattern, it is useful to hide all the fabric colors and show the design as only black and white outlines. All blocks, appliqué shapes and embroidery designs are reduced to outlines only. This technique can also be used to view appliqué objects more clearly when reshaping.

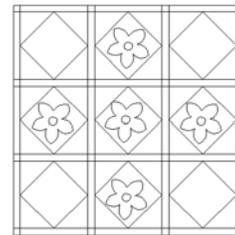
To display black and white outlines

- ▶ Click the **Show Outlines** icon.

Only outlines display.

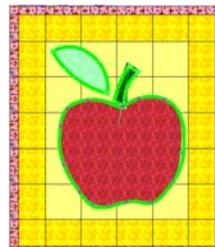


Show Outlines OFF

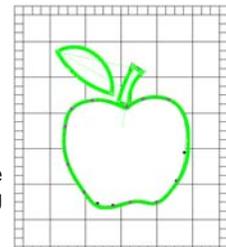


Show Outlines ON

- ▶ Click the **Show Outlines** icon again to toggle outline view.
- ▶ Show color blocks with no outlines to create a more realistic view of the finished quilt by pressing **Ctrl+L**.



Whole quilt showing



Only appliqué showing

Viewing fabrics at actual size



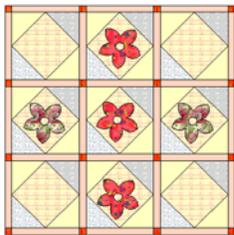
Use Show Fabric 1:1 (Standard toolbar) to show fabrics in actual size.

Sometimes it is useful to show fabrics at their actual size. It is easier to differentiate between fabrics, particularly if you are using a number of similar fabrics. The blocks themselves do not change size, only the pattern in the fabric.

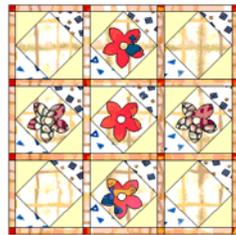
To view fabrics at actual size

- ▶ Click the **Show Fabric 1:1** icon.

When the tool is selected, fabrics are displayed at actual size.



Show Fabric 1:1 OFF



Show Fabric 1:1 ON

- ▶ Click the **Show Fabric 1:1** icon again to reduce the fabric pattern to the same proportions as the quilt.

Viewing averaged colors



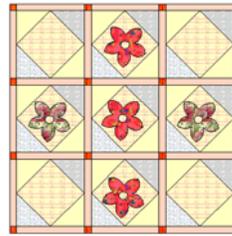
Use Show Fabric Average Color (Standard toolbar) to show fabrics with averaged colors.

When you are choosing fabrics for a quilt, it is important to select the balance of light, medium and dark tones which will produce the effect that you require. Use the **Show Fabric Average Colors** tool to blend each fabric into one averaged color, allowing you to check that you have achieved the correct balance of tones.

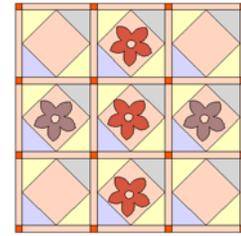
To view averaged colors

- ▶ Click the **Show Fabric Average Colors** icon.

When the tool is selected, fabric in each block is blended into one averaged color.



Show Fabric Average Colors OFF

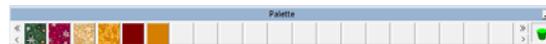


Show Fabric Average Colors ON

- ▶ Click the **Show Fabric Average Colors** icon again to display actual fabrics.

Organizing fabrics on the palette

You can place a selection of fabrics on the **Fabric Palette** for easy recognition and access. You can use it to select and display a number of possible fabrics for use in a quilt, for example, a selection of green fabrics. It can also be used if you have one quilt design which is being used to create a number of different quilts with different fabrics or colors.



Move colors and fabrics around the palette by clicking and dragging. Swap fabrics by dragging and dropping one to another. Double-click a color in the palette to open the **Color** dialog.

To organize fabrics on the palette

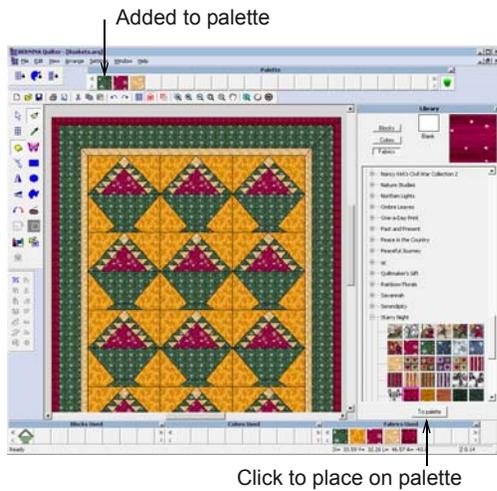
- 1 Select a solid or pattern fabric from the library.



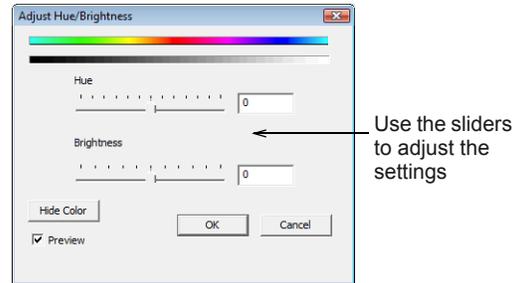
Note The **Paintbrush** icon is automatically selected and changes to an eyedropper when the cursor is over the library.

- 2 Click the **To palette** button.

A copy of the selected patchwork block or pattern is placed on the **Palette**.



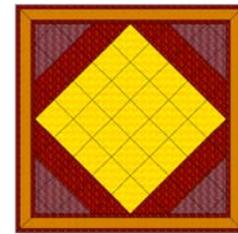
The **Adjust Hue/Brightness** dialog opens.



4 Move the slider to adjust hue and/or brightness.



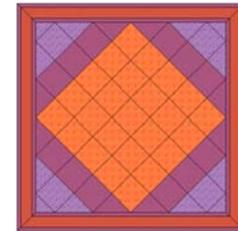
Original colors



Hue adjusted



Hue adjusted in selected areas



Brightness adjusted

Adjusting colors

When you have added patchwork blocks and fabrics to your quilt, you can easily adjust the hues or the brightness in the whole quilt. You can also mix and save your own colors.

Adjusting hue or brightness



Use Adjust Hue/Brightness (Edit toolbar) to adjust hue or brightness.

The **Adjust Hue/Brightness** dialog can be used to:

- ▶ change the colors or hues of the whole quilt or selected objects
- ▶ adjust the brightness of the whole quilt or selected objects.



Note Embroidery designs are not affected by **Adjust Hue/Brightness**.

To adjust hue or brightness

- 1 Open a quilt design.
- 2 Select an area to adjust or deselect all to adjust the whole quilt.
- 3 Click the **Adjust Hue/Brightness** icon.



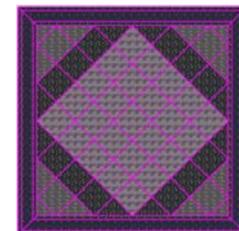
Tip Select the **Preview** checkbox to update the display as you adjust the settings.

5 Click & hold **Hide Color** to remove all color from the selected area or the whole quilt if nothing is selected.

This helps to show the balance of light and dark in the quilt.



Hide color selected blocks



Hide color all

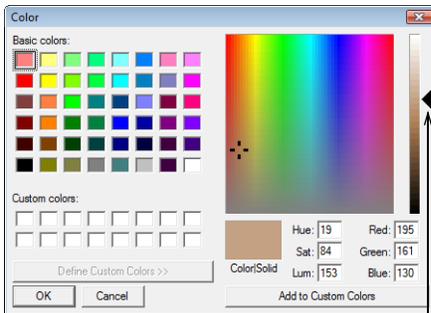
6 Click **OK**.

Mixing your own colors

From the **Palette**, you can change the color of any plain fabric, or create and save new fabric colors using the **Color** dialog.

To mix your own colors

- 1 Click and drag a plain fabric to the Fabric Palette.
- 2 Double-click the fabric.
The **Color** dialog opens.



Drag slider to adjust color brightness

- 3 From the **Basic colors** table, select a color that closely matches the color you require.
- 4 Click and drag the cross hairs on the color spectrum to get the exact color you require.
- 5 Drag the slider on the right of the color spectrum to adjust color brightness.
The HLS and RGB values appear in the bottom right-hand corner of the **Color** dialog. Enter these values directly to define exact colors.
- 6 When you have mixed the required color, click **Add to Custom Colors**.
- 7 Click **OK**.
The new color appears in the Fabric Palette.

Printing quilt designs and blocks



Use Print (Standard toolbar) to print the current design using the current settings.



Use Print Preview (Standard toolbar) to preview the current design and change settings before printing.

Create a hard copy of your quilt design as required. The printout shows the name of the quilt and author. Add your name in the **Quilt Properties > Summary** dialog. See [Viewing quilt design information](#) for details.

Printing quilt designs

The printout contains a preview of the quilt as well as essential production information, including quilt size, blocks and their construction, any appliqué as well as cutting instructions and yardage.

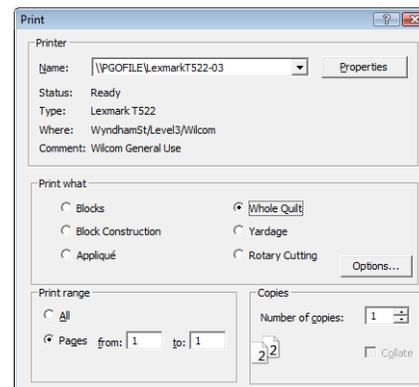


Tip Preview the printout before you print to check whether it is correct.

To print quilt designs

- 1 Select **File > Print**.

The **Print** dialog opens.



- 2 Select the printer you want to use.



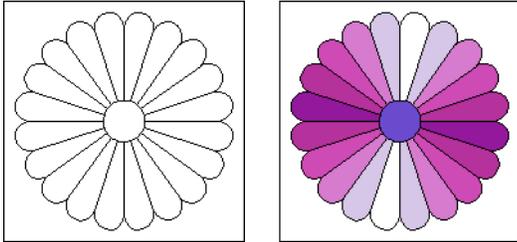
Note To change the print settings, click **Options**, and change the settings as required.

- 3 In the **Print What** panel, select the information to include:
 - ▶ **Blocks:** See [Printing patchwork blocks](#) for details.
 - ▶ **Block Construction:** See [Printing patchwork block construction](#) for details.
 - ▶ **Appliqué:** See [Printing appliqué shapes](#) for details.
 - ▶ **Whole Quilt:** See [Printing whole quilt](#) for details.
 - ▶ **Yardage:** See [Printing yardage](#) for details.
 - ▶ **Rotary Cutting:** See [Printing rotary cutting instructions](#) for details.
- 4 Click the **Options** button to adjust settings for each.
- 5 Preview a printout by:
 - ▶ clicking the **Preview** button in any Print Options dialog
 - ▶ clicking the **Print Preview** icon
 - ▶ selecting **File > Print Preview**.

- 6 Enter the number of copies you require.
- 7 Click **OK**.

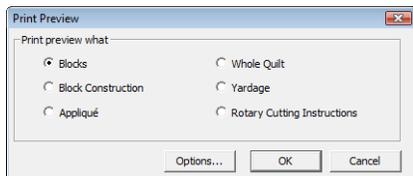
Printing patchwork blocks

Use to print a series of whole patchwork blocks, including blocks, sashes, sash squares and border.

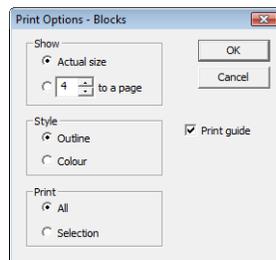


To print patchwork blocks

- 1 Click the **Print Preview** icon.
Print Preview dialog opens.

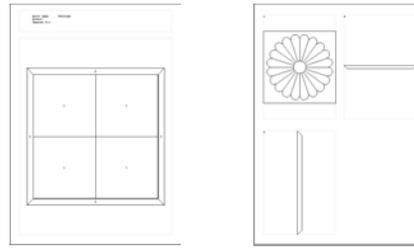


- 2 Select **Blocks**.
- 3 Click the **Options** button.
The **Print Options-Blocks** dialog opens.

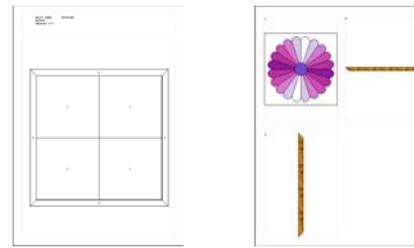


- 4 Select to print actual size or specify the number of blocks per page.
- 5 Select to print in color or outline:

- ▶ **Outline:** print only the lines around blocks and patches.



- ▶ **Color:** print blocks in color.



- 6 Select print range, either all or a selection.
 - ▶ **All:** print all blocks.
 - ▶ **Selection:** print selected blocks only. You must to select the blocks before printing.
- 7 Select the **Print Guide** checkbox to print the quilt guide.
The quilt guide includes an outline drawing of the whole quilt, with a number in each element that will be printed in the following pages. The same number appears next to the element when it is printed individually.

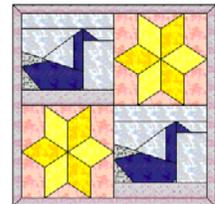


Tip Press **Next Page** and **Previous Page** to move through all the pages.

- 8 Click **Print**.

Printing patchwork block construction

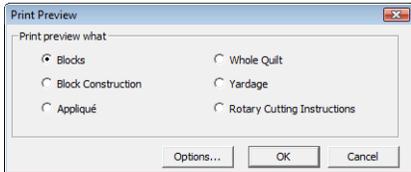
Block construction includes the individual pieces making up the blocks, sashes, sash squares and border sections. Each piece is printed with a specified seam allowance. The printout is divided into block sections, beginning immediately after the guide is printed. Each section prints everything required for one block. Each block section begins with a block guide printed at one-fifth scale, including key letters identifying the patches in the block. Use this method to print blocks that include appliqué as part of the block. See [Printing appliqué shapes](#) to print appliqué



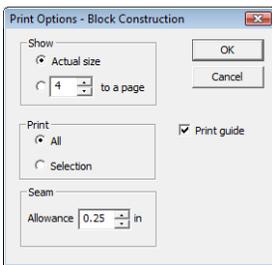
shapes that were created using the appliqué drawing tools.

To print patchwork block construction

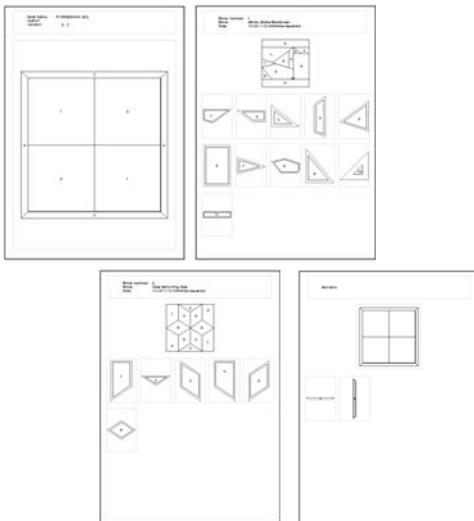
- 1 Click the **Print Preview** icon.
Print Preview dialog opens.



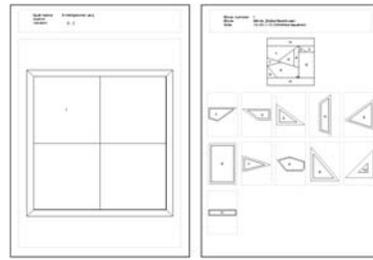
- 2 Select **Block Construction**.
- 3 Click the **Options** button.
The **Print Options-Block Construction** dialog opens.



- 4 Select to print at actual size or specify the number of blocks per page.
- 5 Select print range, either all or a selection.
▶ **All**: prints all blocks.

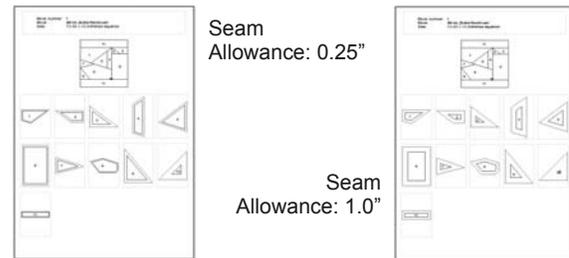


- ▶ **Selection**: prints selected blocks only.



Tip Don't forget to select the blocks before printing.

- 6 Enter a **Seam Allowance**.
The outside of the seam allowance is called the cutting line and is not the same as the patch outline or stitching line.



- 7 Select the **Print Guide** checkbox for the first page to be an outline drawing of the whole quilt, with a number in each element that will be printed in the following pages. The same number appears next to the element when it is printed individually.

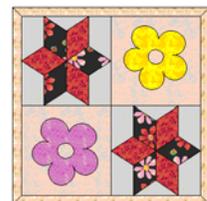


Tip Press **Next Page** and **Previous Page** to move through all the pages.

- 8 Click **Print**.

Printing appliqué shapes

Use **Print Appliqués** to print the outline shapes of the appliqués in the quilt which can be used as templates, or as a guide to assembly. In the **Print Guide**, numbers printed in each appliqué are placed inside the image of that appliqué or outside with a line pointing from the number into the outline. If two appliqués are identical in shape they are given the same number, and printed once. Recognition of same shapes ignores rotation, but not mirroring, skewing or resizing. Appliqué can be applied to a quilt using one of two techniques:



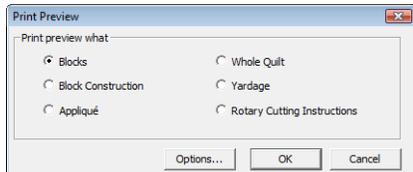
- ▶ normal: no seam allowance needed.

- ▶ turned-edge appliqué: add seam allowance.

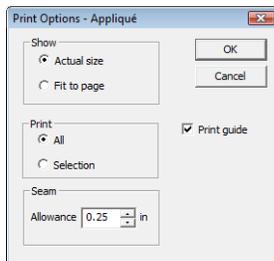
Use this method to print appliqué shapes that were created using the appliqué drawing tools. See **Printing patchwork block construction** to print blocks that include appliqué as part of the block.

To print appliqué shapes

- 1 Click the **Print Preview** icon.
Print Preview dialog opens.

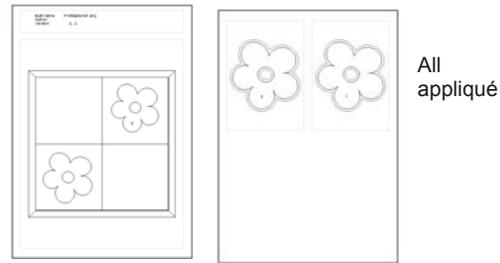


- 2 Select **Appliqué**.
- 3 Click the **Options** button.
The **Print Options-Appliqué** dialog opens.

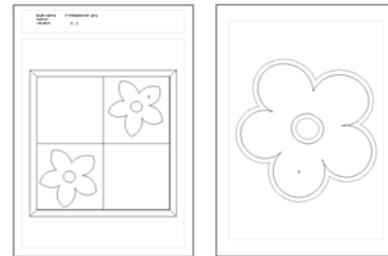


- 4 Select to print actual size or specify the number of blocks per page.
- 5 Select print options:
 - ▶ **All**: print all appliqué shapes.

- ▶ **Selection**: print selected appliqué shapes only.
You must select the shapes before printing.



One appliqué selected



- 6 Enter a seam allowance:
 - ▶ normal appliqué: 0
 - ▶ turned-edge appliqué: usually 0.25".

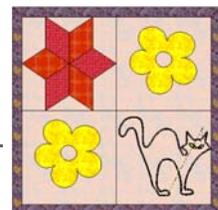


Tip Press **Next Page** and **Previous Page** to move through all the pages.

- 7 Click **Print**.

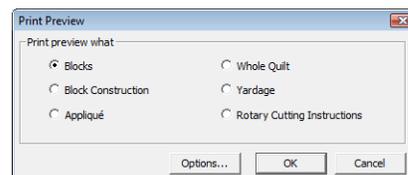
Printing whole quilt

Use **Print Whole Quilt** to print the entire quilt showing blocks and/or embroidery and/or appliqué.



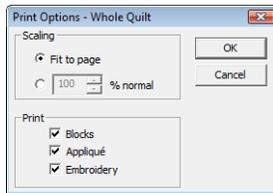
To print the whole quilt

- 1 Click the **Print Preview** icon.
Print Preview dialog opens.

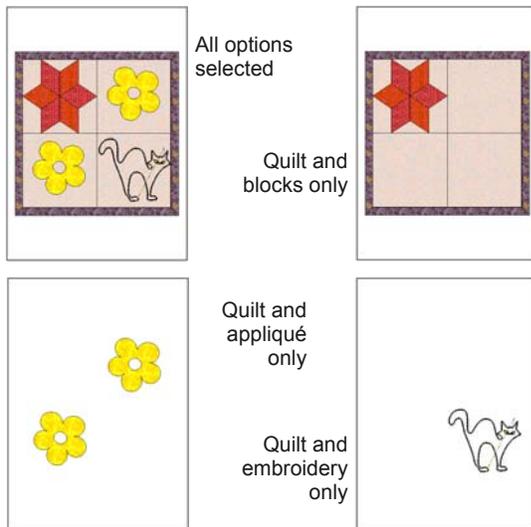


- 2 Select **Whole Quilt**.
- 3 Click the **Options** button.

The **Print Options-Whole Quilt** dialog opens.



- 4 Select to print actual size or specify a percentage of the actual size.
- 5 Select which parts of the quilt you want to print:
 - ▶ Blocks
 - ▶ Appliqué
 - ▶ Embroidery

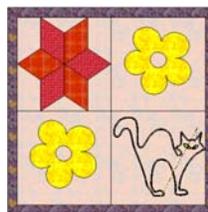


Tip Press **Next Page** and **Previous Page** to move through all the pages.

- 6 Click **Print**.

Printing yardage

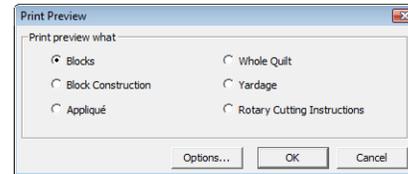
Use **Yardage** to calculate and print a list of the fabrics used, with an estimate of the yardage needed for each, based on the fabric width and a specified seam allowance. The list is ordered from the most-used fabric to least-used.



To print the yardage

- 1 Click the **Print Preview** icon.

Print Preview dialog opens.



- 2 Select **Yardage**.
- 3 Click the **Options** button.

The **Print Options-Yardage** dialog opens.



- 4 Enter your fabric width.
- 5 Enter a **Seam Allowance**.

The same seam allowance is applied to all patches and appliqués.

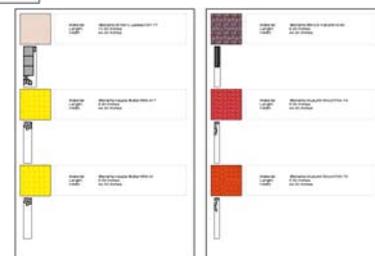
- 6 Select the **Print Details** checkbox to print extra information below each fabric.

Print Details shows an outline of the required fabric width and length with every patchwork piece and appliqué object shown.



Print Details
OFF

Print
Details ON



Tip Press **Next Page** and **Previous Page** to move through all the pages.

- 7 Click **Print**.

Printing rotary cutting instructions

Use the **Rotary Cutting Instructions** option to print rotary cutting instructions for your own custom blocks. See also [Creating custom patchwork blocks](#).



Note Not all patches can be rotary cut. Only blocks that are comprised of simple 3- or 4-sided shapes are suitable. Thus some patches may not appear in the rotary cutting instructions.

To print the rotary cutting instructions

- 1 Click the **Print Preview** icon.

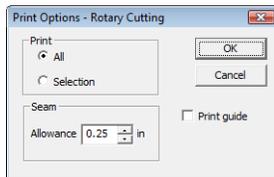
The **Print Preview** dialog opens.



- 2 Select **Rotary Cutting Instructions**.

- 3 Click the **Options** button.

The **Print Options-Rotary Cutting** dialog opens.



- 4 Select print range, either all or a selection.

- ▶ **All**: print all blocks.
- ▶ **Selection**: print selected blocks only. You must to select the blocks before printing.

- 5 Enter a **Seam Allowance**.

The outside of the seam allowance is called the cutting line and is not the same as the patch outline or stitching line.

- 6 Select the **Print Guide** checkbox to print the quilt guide.

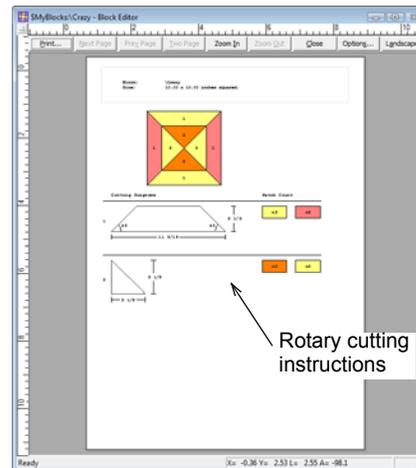
The quilt guide includes an outline drawing of the whole quilt, with a number in each element that will be printed in the following pages. The same number appears next to the element when it is printed individually.



Tip Press **Next Page** and **Previous Page** to move through all the pages.

- 7 Click **OK**.

The selected block/s displays in the preview window.



- 8 Click the **Print** button to print out a copy of the cutting diagrams.

CHAPTER 3

QUILTER EDITING

BERNINA Quilter provides techniques for inserting pictures and adding appliqué or embroidery to the quilt. BERNINA Quilter also allows you to copy and paste, as well as group and ungroup objects and patchwork blocks. You can also edit quilting designs, including moving, rotating, and mirroring patchwork blocks.

This section provides details of BERNINA Quilter editing features.



Adding appliqué to quilts



Use Rectangular Appliqué (Edit toolbar) to create rectangular appliqué.



Use Draw Appliqué (Edit toolbar) to create freehand appliqué.



Use Oval Appliqué (Edit toolbar) to create oval appliqué.



Use Reshape Appliqué (Edit toolbar) to reshape appliqué.

An appliqué is a single piece of fabric sewn on top of the quilt. There are three types: Rectangular, Oval or Draw. Draw appliqué can have multiple boundaries.

BERNINA Quilter provides techniques for adding appliqué rectangles or circles, or 'closed' free-form shapes. These appliqués are patches of fabric only. Auto Appliqué in BERNINA Embroidery Software allows you to create embroidery appliqué patches.



Note To create appliqués, you can use a bitmap image as a backdrop as in BERNINA Embroidery Software. See [Digitizing with Backdrops](#) for details.

Drawing appliqué rectangles



Use Rectangular Appliqué (Edit toolbar) to create rectangular appliqué.

The **Rectangular Appliqué** tool provides a quick way to digitize appliqué rectangles or squares.

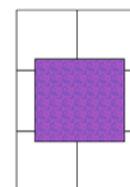
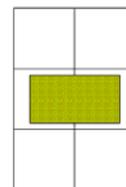
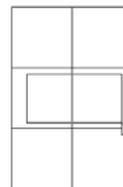
To draw an appliqué rectangle

- 1 Click the **Rectangular Appliqué** icon.
- 2 Digitize one or more boundaries as in BERNINA Embroidery Software by marking rectangle origin, then rectangle corner.



Tip Press **Alt** and mark corners to digitize a square.

- 3 Click to close the boundary.



Tip Reshape appliqué using the **Reshape Appliqué** tool. This is used in the same way as the **Reshape** tool in BERNINA Embroidery Software. See [Reshaping objects](#) for details.

Drawing freeform appliqué shapes

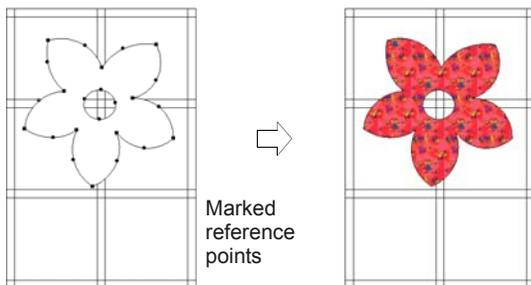


Use Draw Appliqué (Edit toolbar) to create freehand appliqué.

You can create freeform outlines or borders using the **Draw Appliqué** icon.

To draw a freeform appliqué shape

- 1 Click the **Draw Appliqué** icon.
- 2 Click to create points on the first boundary.
- 3 Press **Enter** to close the boundary.
- 4 To create holes in the appliqué, click to create points on the next boundary.
All boundaries after the first one are holes in the appliqué.
- 5 After the last boundary has been digitized, press **Enter** again to complete the appliqué.
If a color or fabric is selected in the library, the appliqué is filled with that color or fabric. If no fabric is selected, the appliqué is filled with white color. Add fabric to the appliqué required.



Add colors or fabrics as with blocks. See [Adding fabrics to the quilt](#) for details.

Drawing appliqué circles



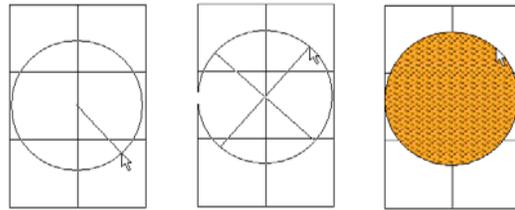
Use Oval Appliqué (Edit toolbar) to create circle or oval appliqué.

The **Oval Appliqué** tool provides a quick way to digitize appliqué circles.

To draw an appliqué circle

- 1 Click the **Oval Appliqué** icon.
- 2 Digitize one or more boundaries as in BERNINA Embroidery Software by marking the center point then mark a point on the circumference.
 - ▶ If you want a circle, press **Enter**.

- ▶ If you want an ellipse, mark a third reference point and press **Enter**.



Reshaping appliqué



Use Reshape Appliqué (Edit toolbar) to adjust the reshape nodes of selected appliqué objects.

You can change the shape of an appliqué object by selecting it with the **Reshape Appliqué** icon and moving, adding or deleting reshape nodes on the outline. For some appliqué objects, you can also change reshape nodes from corner points to curves.

Reshaping appliqué objects using reshape nodes

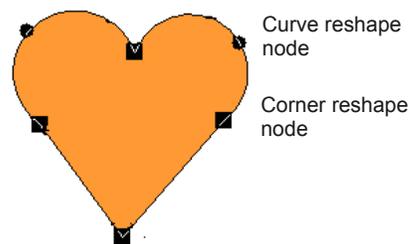


Use Reshape Appliqué (Edit toolbar) to display the reshape nodes of selected appliqué objects.

Change appliqué object shapes by selecting them with the **Reshape Appliqué** icon and modifying the available reshape nodes.

To reshape appliqué objects using reshape nodes

- 1 Select an object.
- 2 Click the **Reshape Appliqué** icon.
Reshape nodes appear around the object.



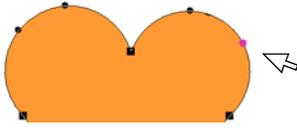
- 3 Modify the outline by adding, deleting, changing or moving the reshape nodes, depending on the object type and the required change.
- 4 Press **Enter** to apply the changes.

Selecting reshape nodes

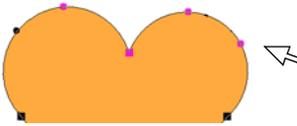
Reshape nodes can be selected individually or together, for repositioning or modification.

To select reshape nodes

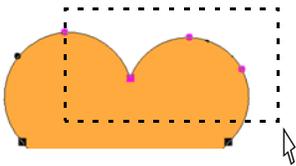
- 1 Select an object.
- 2 Click the **Reshape Appliqué** icon.
 - ▶ Click to select a single reshape node.



- ▶ Holding down **Ctrl**, click to select multiple reshape nodes.



- ▶ Click and drag a bounding box around a group of reshape nodes to select.

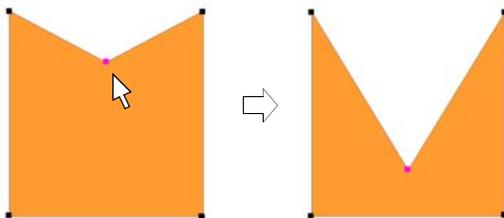


Moving reshape nodes

You can move reshape nodes to change an outline shape.

To move reshape nodes

- 1 Select an object.
- 2 Click the **Reshape Appliqué** icon.
 - ▶ Click and drag a single reshape node to a new position.
 - ▶ Similarly, click and drag multiple reshape nodes to a new position.



Adding reshape nodes



Use Reshape Appliqué (Edit toolbar) to add reshape nodes.

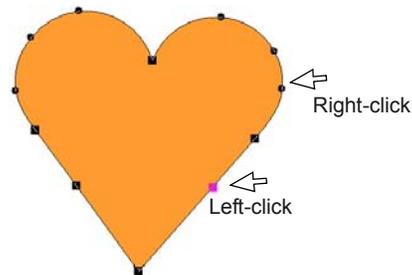
You can add reshape nodes to object outlines by clicking with the **Reshape Appliqué** icon selected.



Note You cannot add reshape nodes to appliqué objects created with the **Oval Appliqué** tool.

To add reshape nodes

- 1 Select an object.
- 2 Click the **Reshape Appliqué** icon.
- 3 Position the pointer where you want to add the reshape node.
- 4 Click to add a reshape node.
 - ▶ Left-click to add a corner point.
 - ▶ Right-click to add a curve point.



- 5 Adjust the position of the reshape node by dragging it along the outline as required.

Changing reshape nodes

Reshape object outlines by changing corner reshape nodes to curves, or vice versa.

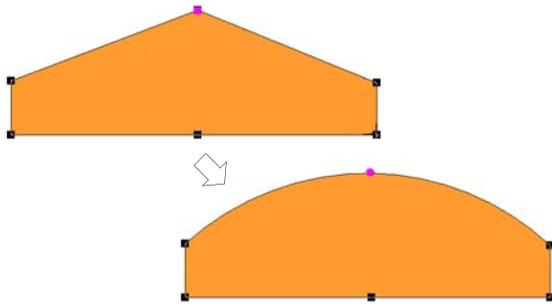


Note You cannot change the reshape node in appliqué objects created with the **Oval Appliqué** tool. See also [Reshaping circle appliqué objects](#).

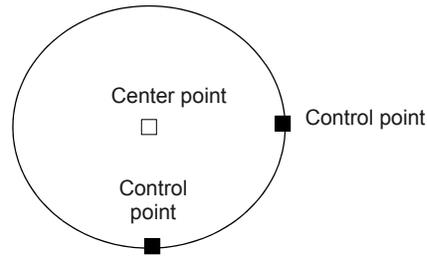
To change reshape nodes

- 1 Select an object.
- 2 Click the **Reshape Appliqué** icon.
- 3 Select the reshape node.

4 Press **Spacebar**.



two control points (used to change the radius and orientation of the object), a center point (used to reposition it), and a stitch entry point.

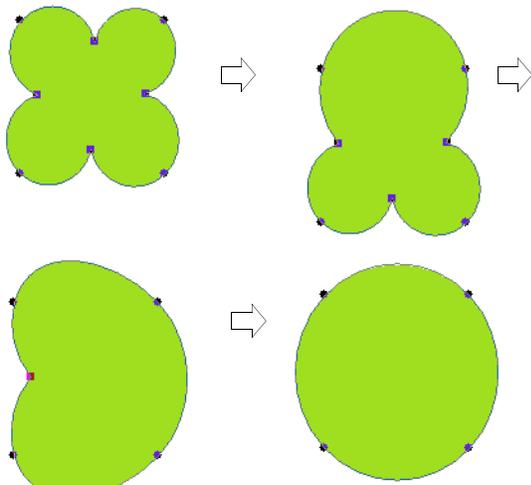


Deleting reshape nodes

Delete unwanted reshape nodes to change an outline.

To delete reshape nodes

- 1 Select an object.
- 2 Click the **Reshape Appliqué** icon.
- 3 Select the reshape node or points.
- 4 Press **Delete**.



Note If the object only has two reshape nodes, deleting one deletes the whole object.

Reshaping circle appliqué objects



Use Reshape Appliqué (Edit toolbar) to reshape circle appliqué objects.

For appliqué objects created with the **Oval Appliqué** tool, you reshape using the existing reshape nodes only. You cannot add, change or delete control points in these appliqué objects. You can change Circle appliqué objects from circles to ovals using the **Reshape Appliqué** tool. Circle appliqué objects have

To reshape circle appliqué objects

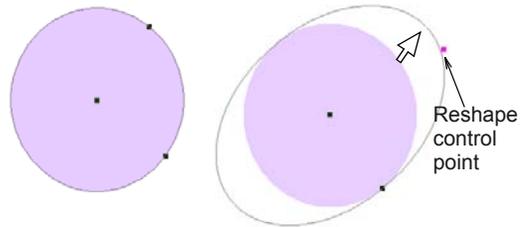
- 1 Select a **Oval Appliqué** object.
- 2 Click the **Reshape Appliqué** icon.



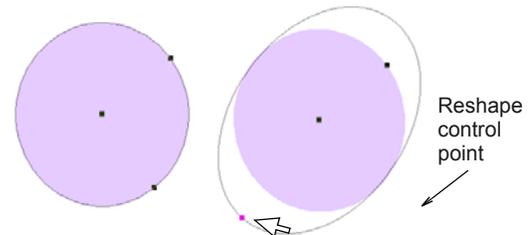
Tip To move a circle, click the control point in the circle's center, and drag it to a new position.

- 3 Click a control point on the circumference of the circle, and drag it to reshape the outline.

▶ To reshape without changing the orientation, use the higher control point.



▶ To reshape and spin the object around its center point, use the lower control point.



- 4 Press **Enter**.

Incorporating embroidery into quilt designs

Embroidery designs can be opened and edited in the BERNINA Quilter Embroidery Window. You can also

create a new embroidery design on-the-fly to add to the quilt.



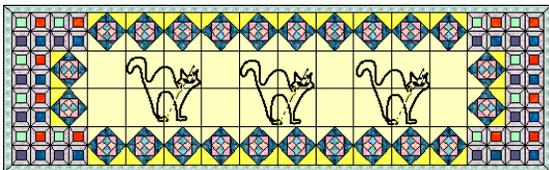
Caution If your quilt design uses an embroidery design, the ARQ file will include the embroidery design file. These included designs should not be shared as this will infringe copyright laws.

Adding embroidery to quilts



Use Embroidery Window (Edit toolbar) to add embroidery to quilt designs.

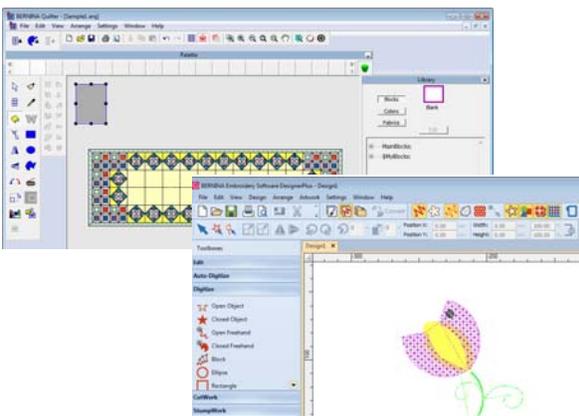
Add a previously digitized design or create a new embroidery design in the BERNINA Quilter Embroidery Window. The quilt design can include more than one embroidery design.



Note Embroidery designs on the quilt need to be opened and stitched using BERNINA Embroidery Software. You cannot stitch embroidery designs from BERNINA Quilter.

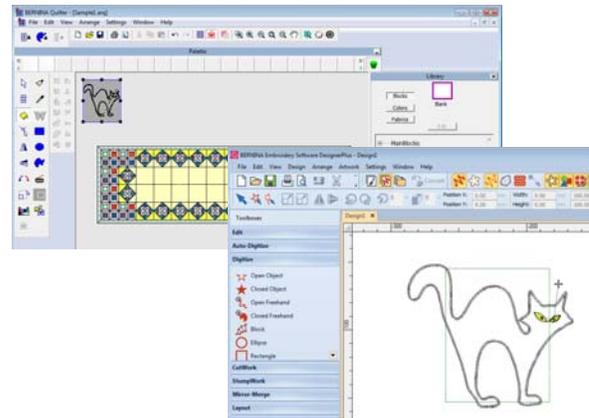
To add embroidery to a quilt

- 1 Open a quilt design.
- 2 Click the **Embroidery Window** icon.
The Embroidery Window opens.



- 3 In the embroidery design window, select **File > Insert Embroidery**.
- 4 Select a design and click **OK**.
- 5 Make any changes required.

Any edits can be seen in the quilt window.



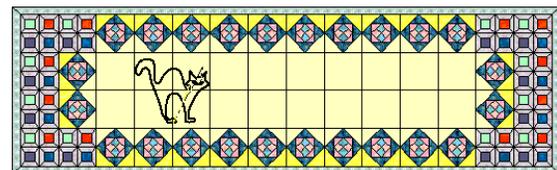
- 6 Select **File > Save and Return**.

The Embroidery Window closes.



Tip Use **File > Save As** to save a copy of the original design.

- 7 Select and move the embroidery design to its correct position.

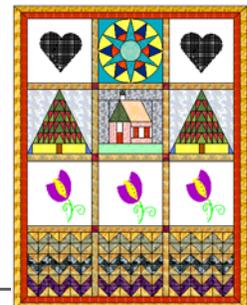


Creating a new embroidery design



Use Embroidery Window (Edit toolbar) to add embroidery to quilt designs.

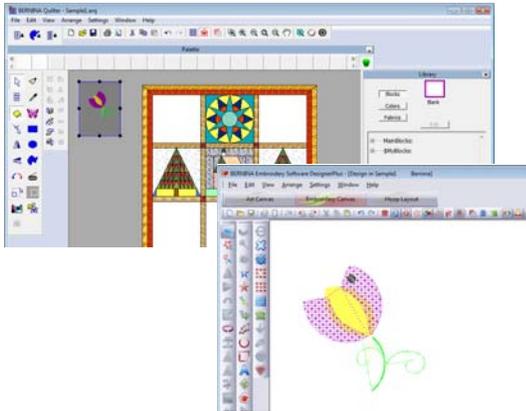
Create a new embroidery design on-the-fly to add to the quilt. As you create the embroidery design, objects with stitches and color are shown in the BERNINA Quilter window. Each embroidery design on the quilt opens in its own Embroidery Window for editing.



To create a new embroidery design

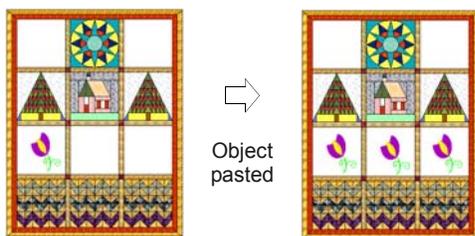
- 1 Open a quilt design.
- 2 Select the **Embroidery Window** icon.

The Embroidery Window opens.



- Use the digitizing tools to create an embroidery design as in BERNINA Embroidery Software.
- When the design is complete, select **File > Save and Return**.

The embroidery file is stored with BERNINA Quilter, and opens when the BERNINA Quilter file is re-opened.



Editing embroidery designs in Quilter

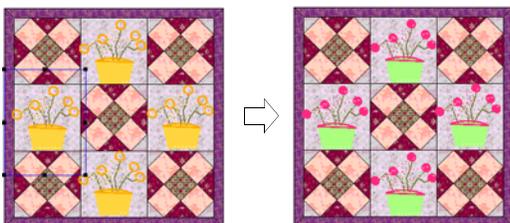


Use Embroidery Window (Edit toolbar) to edit embroidery in quilt designs.

You can edit embroidery designs in Quilter. Any changes you make show up as you work.



Note You cannot open the **Embroidery Window** if you have selected multiple or grouped embroidery designs.



To edit an embroidery design in Quilter

- Open a quilt design.
- Select an embroidery object.



Object selected

- Click the **Embroidery Window** icon.

The Embroidery Window opens.

- After editing, select **File > Save and Return**.

The embroidery file is stored in the Quilter application, and forms part of the file when saved to disk.



Object edited in BERNINA Embroidery Software

Editing blocks and objects

In order to edit an area of a design, you must first select it. BERNINA Quilter provides a number of ways to select blocks. It also lets you lock blocks in a complex design so that they are not selected and moved by accident.

You can group, or ungroup any combination of blocks, pictures, appliqués and embroidery designs in the same way as in BERNINA Embroidery Software. A special **Regroup** tool lets you regroup all objects that were previously grouped. See [Grouping & splitting objects](#) for details.



Note **Regroup** does not work if an object has been edited after ungrouping.

An embroidery, appliqué object or picture can be aligned to any block by selecting the object and block, and using the alignment tools as in BERNINA Embroidery Software. The layering tools help you position appliqué and embroidery objects in the correct layer order. See [Arranging objects](#) for details.

Selecting blocks with the Select Object tool

 Use Select Object (Edit toolbar) to select blocks or objects.

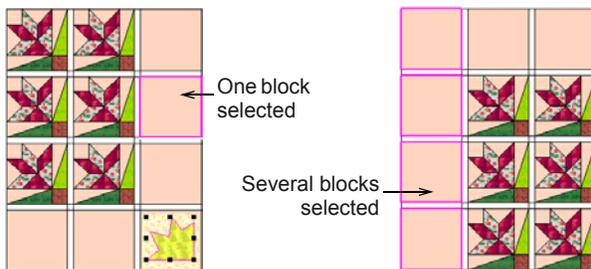
The **Select Object** tool works in a similar way to BERNINA Embroidery Software. The difference is that in BERNINA Quilter you work with blocks or areas rather than design objects.



Tip Press **Ctrl+A** to select all appliqué objects.

To select a block with the Select Object tool

- ▶ With the **Select Object** tool selected, click a block.



Tip Hold down **Ctrl** to select multiple blocks.

Selecting blocks with the Eyedropper

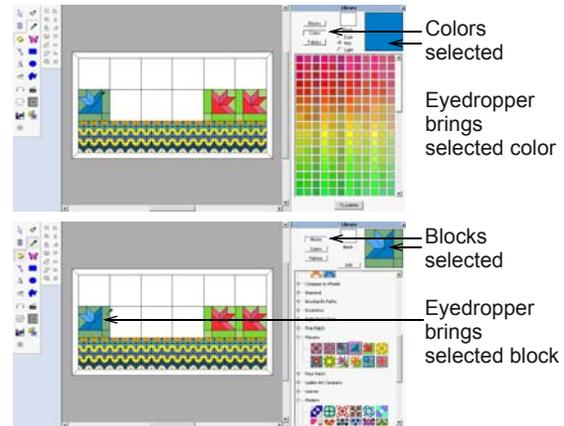
 Use Eyedropper (Edit toolbar) to select patchwork blocks or fabrics.

Use the **Eyedropper** tool to select a patchwork block or fabric that has already been used in the quilt or is stored on the Fabric Palette. Use the **Paintbrush** tool to add the patchwork block or fabric to the quilt.

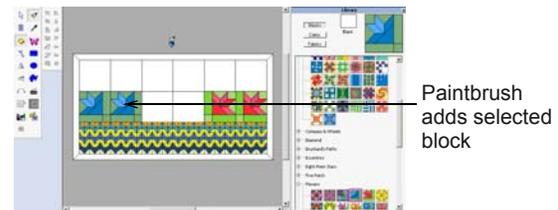
To select a block with the Eyedropper

- 1 Click the **Eyedropper** icon.
- 2 Select either a patchwork block or fabric:
 - ▶ Click the **Blocks** button for patchwork blocks.
 - ▶ Click the **Colors** button for plain fabrics.
 - ▶ Click the **Fabrics** button for patterned fabrics.
- 3 Select the color, fabric or patchwork block from the quilt or one of the **Palettes Used**.

A preview is shown in the **Library Preview** panel.



- 4 Click the **Paintbrush** icon to add the block or fabric to the quilt.



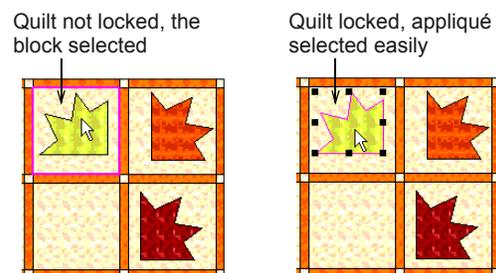
Locking areas of the quilt

-  Use Lock Quilt (Lock toolbar) to lock the whole quilt.
-  Use Lock Appliqué (Lock toolbar) to lock the appliqué shapes.
-  Use Lock Embroidery (Lock toolbar) to lock the embroidery designs.

When the quilt is complex, it is easy to select and move parts by accident. Locking the quilt enables you to work on appliqué or embroidery objects without accidentally selecting and changing the quilt. Blocks, sashes and borders cannot be selected or moved by accident.

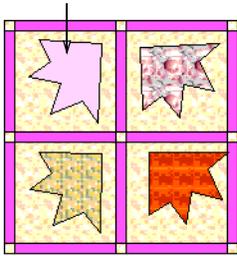
To lock areas of the quilt

- ▶ Select the **Lock Quilt** icon.

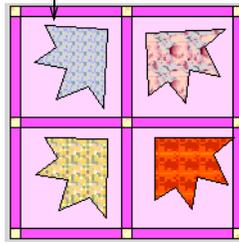


- ▶ Select **Lock Quilt** again to unlock the quilt.
- ▶ Click **Lock Appliqué**.

Appliqué not locked, color changed by mistake

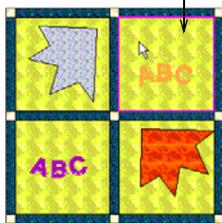


Appliqué locked, blocks edited easily

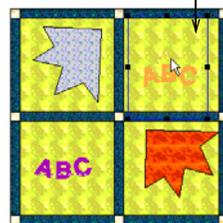


- ▶ Select **Lock Appliqué** again to unlock the appliqué.
- ▶ Select **Lock Embroidery**.

Embroidery locked



Embroidery not locked



- ▶ Select **Lock Embroidery** again to unlock the embroidery.

Regrouping objects

-  Click Group (Arrange toolbar) to group selected objects.
-  Click Ungroup (Arrange toolbar) to ungroup selected objects.
-  Click Regroup (Arrange toolbar) to regroup previously grouped objects.

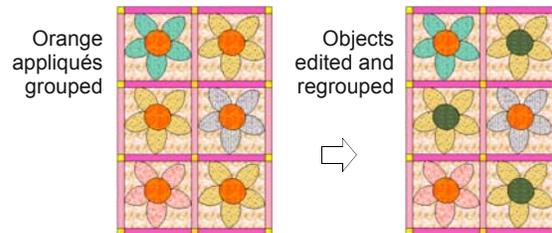
Group or ungroup any combination of blocks, pictures, appliques and embroidery designs in the same way as in BERNINA Embroidery Software. Use the **Regroup** command to regroup all objects that were previously grouped. For example, if you have some appliqué objects that have been grouped, and then ungrouped for editing, you can group them again without having to re-select them. It only works if new objects have not been added to the group. See [Grouping & splitting objects](#) for details.

To regroup objects

- 1 Select a grouped object and ungroup it.
- 2 Edit the objects if required, then do one of the following:

- ▶ Select **Arrange > Regroup**.
- ▶ Click the **Regroup** icon on the **Arrange** toolbar.
- ▶ Press **Ctrl+R**.

The objects are grouped again.



Arranging objects

-  Use Bring to Front (Arrange toolbar) to move the selected object to the front.
-  Use Bring Forward (Arrange toolbar) to move the selected object one layer forwards.
-  Use Send to Back (Arrange toolbar) to move the selected object to the back.
-  Use Send Backwards (Arrange toolbar) to move the selected object one layer backwards.

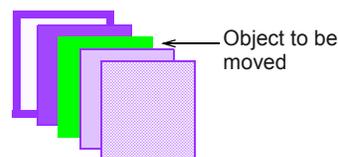
When using embroidery or appliqué objects, it is important to organize them in the correct order so that embroidery, for example, is on the top and background appliqué is on the bottom. Move objects directly to the back or front, or move them backwards or forwards, layer by layer. The front is the top layer, and the back is on the bottom.



Tip Use the layer tools to keep a picture at the front when tracing appliqué objects.

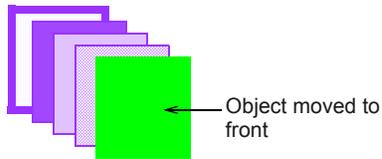
To arrange objects

- 1 Select the embroidery, appliqué object, or picture.

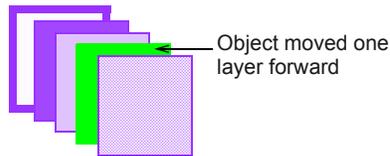


- 2 Click one of the Layer tools:

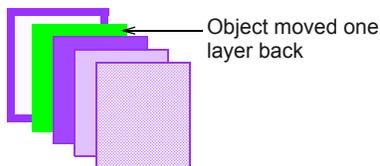
▶ Bring to Front



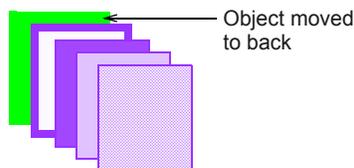
▶ Move Forwards



▶ Move Backwards



▶ Send to Back



Tip An embroidery, appliqué object or picture can be aligned to any block by selecting the object and block, and using the alignment tools as in BERNINA Embroidery Software. See [Arranging objects](#) for details.

Duplicating blocks and objects

You can change copy, cut and paste selected blocks, appliqué or embroidery at any time. The difference is that in BERNINA Quilter you can work with patchwork blocks and fabrics, as well as appliqué and embroidery objects.

Copying, cutting and pasting with the Select Object tool



Use Select Object (Edit toolbar) to select blocks or objects.



Use Copy (Standard toolbar) to copy selected blocks to the clipboard.



Use Cut (Standard toolbar) to cut selected blocks to the clipboard.



Use Paste (Standard toolbar) to paste copied blocks from the clipboard.

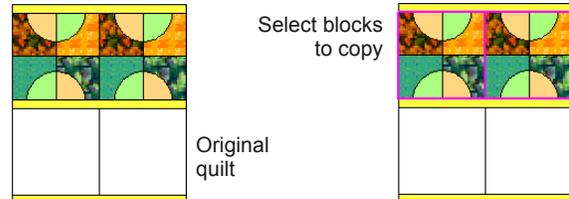
Use the **Select Object** tool to copy and paste blocks, appliqué or embroidery and the **Paintbrush** tool to copy and paste fabrics.



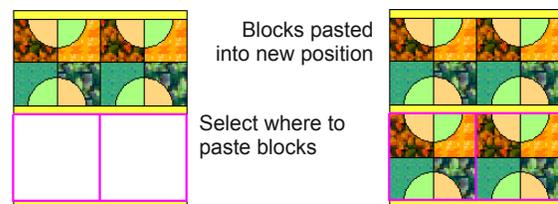
Note If a block is pasted from one quilt to another, and the quilts have different sized blocks, the pasted block will be resized to fit the new quilt.

To copy, cut and paste with the Select Object tool

- 1 Click the **Select Object** tool.
- 2 Select the block, embroidery or appliqué to be cut or copied, then do one of the following:
 - ▶ Click the **Cut** icon.
 - ▶ Select **Edit > Copy**.
 - ▶ Click the **Copy** icon.
 - ▶ Press **Ctrl+C**.
 - ▶ Right-click the object and select **Copy** from the popup menu.



- 3 Click where the block is to be pasted, then do one of the following:
 - ▶ Select **Edit > Paste**.
 - ▶ Click the **Paste** icon.
 - ▶ Press **Ctrl+V**.
 - ▶ Right-click the object and select **Paste** from the popup menu.



Adding blocks and fabrics with Paintbrush



Use Paintbrush (Edit toolbar) to add patchwork blocks or fabrics to the quilt.

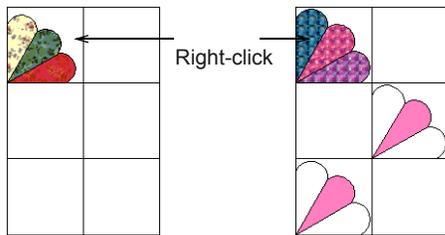
Use the **Paintbrush** to add patchwork blocks or fabrics from the library to the quilt.



Note Patchwork blocks cannot be added to sashes, sash squares or parts of borders that are not in **Blocks** style.

To add blocks and fabrics with Paintbrush

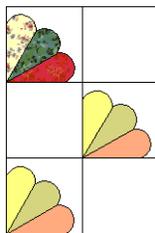
- 1 Select the **Paintbrush** icon.
- 2 Select to add either a patchwork block or fabric:
 - ▶ Click the **Blocks** button for patchwork blocks.
 - ▶ Click the **Colors** button for plain fabrics.
 - ▶ Click the **Fabrics** button for patterned fabrics.
- 3 On the quilt, select and right-click to copy a patchwork block or fabric.



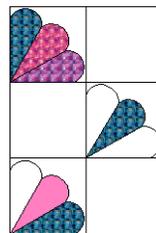
Blocks library – right-click patchwork block

Fabrics library – right-click patchwork piece

- 4 Move the cursor so that it is inside a block on the quilt, then click to place the patchwork block or fabric.



Click blocks to place



Click areas to place



Tip To copy a block or fabric to the whole quilt move the cursor inside a block, then press **Ctrl** and click to copy the picked up design into all blocks on the quilt.

Transforming blocks and objects

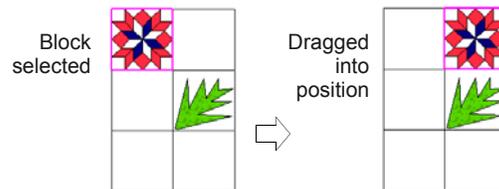
BERNINA Quilter lets you perform various transformations on selected blocks. You can move them, rotate them in a clockwise or counter-clockwise direction. You can also mirror blocks either horizontally or vertically.

Moving blocks and objects

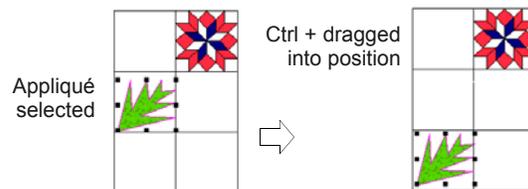
You can move patchwork blocks at any time. Pictures, embroidery or appliqué objects can be moved in the same way.

To move a block or object

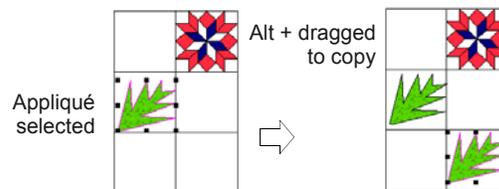
- 1 Click the **Select Object** tool.
- 2 Select the block or object to move.
- 3 Click and drag to a new location.



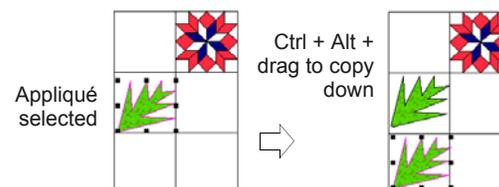
- ▶ Use **Ctrl+Drag** to constrain movement up or down.



- ▶ Use **Alt+Drag** to copy the object to the new position.



- ▶ Use **Ctrl+Alt+Drag** to copy the object to the new position, up or down.



Rotating blocks and objects



Use Rotate 90°CCW/CW (Edit toolbar) to rotate selected blocks. Click to rotate counter-clockwise. Right-click to rotate clockwise.

You can rotate blocks or objects in a clockwise or counter-clockwise direction. When multiple blocks are selected, each is rotated in its own place.



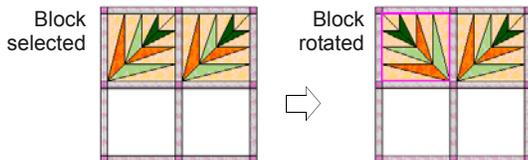
Any selected picture, embroidery or appliqué can be freely rotated by clicking and dragging its rotate handles.



Tip Hold the **Alt** key when rotating an object using rotate handles to create a rotated copy of the original.

To rotate a block or object

- 1 Select the block or object to rotate. See [Editing blocks and objects](#) for details.
- 2 Click the **Rotate 90°CCW/CW** icon.
 - ▶ Right-click to rotate 90° clockwise.
 - ▶ Click to rotate 90° counter-clockwise.



Tip You can also rotate objects using click and drag. See also [Rotating objects](#).

Mirroring blocks and objects



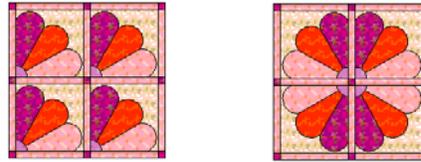
Click Mirror Horizontal (Edit toolbar) to copy and flip selected blocks horizontally.



Click Mirror Vertical to mirror selected blocks vertically.

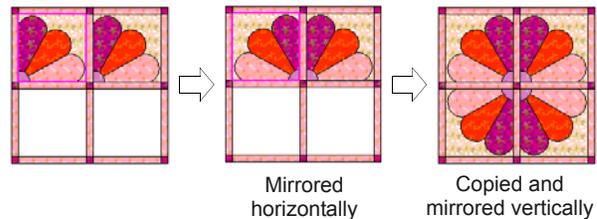
You can mirror blocks either horizontally or vertically. When a single block is selected, it is mirrored about

its center. When multiple objects are selected, they are mirrored about the center of the total selection.



To mirror a block or object

- 1 Select the block or object to mirror. See [Editing blocks and objects](#) for details.
- 2 Click the **Mirror Horizontal** icon to flip horizontally or **Mirror Vertical** to flip vertically.

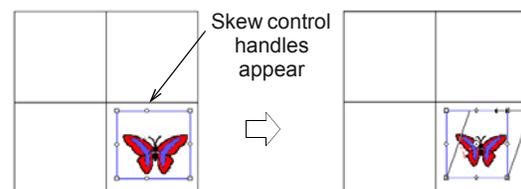


Skewing objects

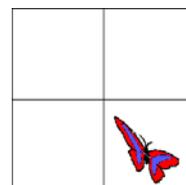
Any picture or appliqué can be skewed in the same way as an object in BERNINA Embroidery Software, except that there are two more skew control handles. Embroidery can be skewed in the BERNINA Embroidery Software design window.

To skew an object

- 1 Double-click the picture or appliqué object.



- 2 Skew the object by dragging the skew control handles.



Tip Hold the **Alt** key when skewing to copy an object and skew the copy leaving the original unchanged.

Scaling objects



Use Scale by 20% Down/Up (Edit toolbar) to scale appliqué or embroidery objects.

A picture, embroidery or appliqué can be resized by dragging its resize handles. Any selected picture, embroidery or appliqué object can be resized 20% from its current size by using the **Scale by 20% Down / Up** tool.

To scale an object

- ▶ Select the object.
- ▶ Click the **Scale by 20% Down / Up** icon to scale down 20%.
- ▶ Right-click the **Scale by 20% Down / Up** icon to scale up 20%.

Deleting blocks and objects

You can delete fabrics from individual patchwork pieces using the 'blank block' in the Library. Patchwork blocks can be deleted from the quilt using the 'blank block' or the **Delete** button. Appliqué or embroidery objects can be deleted from the quilt with the **Delete** button.

Deleting fabrics using the blank block

Fabrics can be deleted from individual patchwork pieces using the 'blank block' from the library. This is useful if you need to delete a selection of fabrics from patchwork pieces randomly scattered around the quilt. See also [Deleting objects](#).

To delete fabrics using the blank block

- 1 Select the **Colors** or **Fabrics** button.



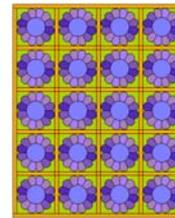
Caution If the **Blocks** button is selected you will delete the patchwork block.

- 2 In the **Library** dialog, click the **Blank** window. The preview window clears.

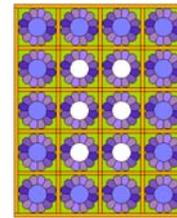


- 3 Select one or more patchwork pieces.

The patchwork piece is cleared.



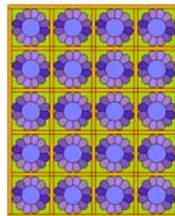
Original quilt



Colors button selected

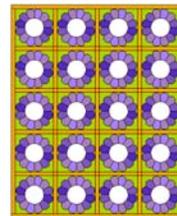


Tip Hold the **Ctrl** key and then click the block or patch to be deleted from the quilt.



Original quilt

Press Ctrl to apply all



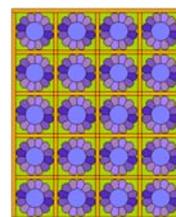
Colors button selected

Deleting blocks

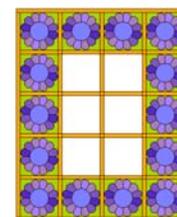
Patchwork blocks can be deleted from the quilt using the 'blank block' or the **Delete** button. This is useful if you need to delete a selection of patchwork blocks randomly scattered around the quilt. See [Deleting fabrics using the blank block](#) for details.

To delete a block

- 1 Click the **Select Object** icon.
- 2 Select the **Blocks** button.
- 3 Select the block/s to be deleted.
- 4 Do one of the following:
 - ▶ Click the **Blank** window in the **Library** dialog, or
 - ▶ Press the **Delete** key.



Original quilt



Blocks button selected

Deleting objects

Appliqué or embroidery objects can be deleted from the quilt using the **Delete** button in the same way as in BERNINA Embroidery Software.

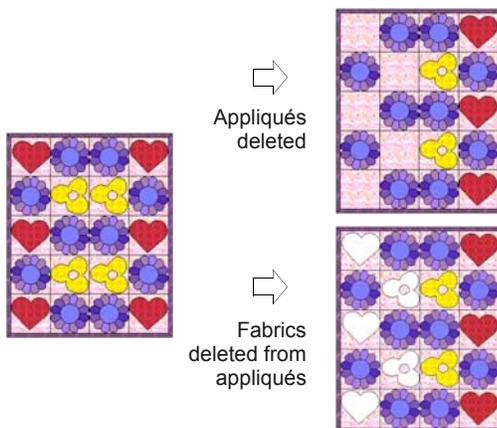


Note Use **Blank** block together with the **Fabrics** button to delete the fabric from appliqués.

To delete an object

- 1 Click the **Select Object** icon.
- 2 Select the object/s to be deleted.
- 3 Press the **Delete** key.

The object/s deleted.



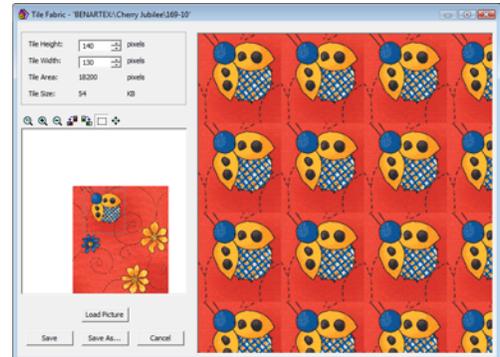
Tip Use **Lock Quilt** to prevent selecting and deleting patchwork blocks by mistake. See [Locking areas of the quilt](#) for details.

CHAPTER 4

QUILTER ADVANCED

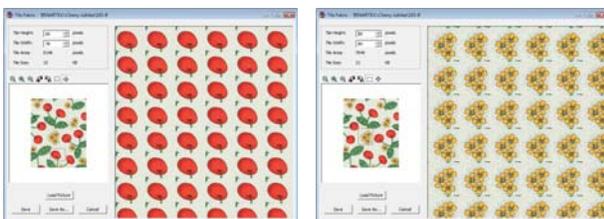
BERNINA Quilter lets you import pictures to use as patterned fabrics. From a single fabric sample you can create a number of different samples. BERNINA Quilter provides various ways to manage your patterned fabrics. It also lets you create new categories for your patchwork blocks, delete them and transfer blocks between categories.

This section provides details of advanced BERNINA Quilter features including managing backdrops and fabric samples, changing the appearance of fabric samples and managing patchwork blocks.



Modifying tiled areas of fabric samples

From the one fabric sample you can create a number of different samples. Each sample can be saved with separate names and in different categories as required.



Select different areas to create different fabric samples

Zoom in on an area to see more detail or view the image at actual size. The tiled area can be resized or moved to create an accurate sample of your fabric. The image can also be rotated to change its appearance.

Selecting tiled areas of a fabric



Use Select (Tile Fabric dialog) to select an area of the fabric sample.

Use the **Tile Fabric** dialog to set up patterned fabrics in the way that suits you. You can select and save the

exact area of the fabric to be tiled. By selecting only small areas of the fabric using the selection rectangle, you can change the look of the fabric sample because only the selected area is tiled and displays in the preview window.

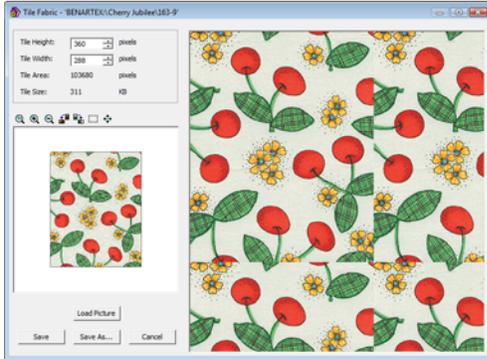
To select a tiled area of a fabric

- 1 Select and double-click a pattern in the library.

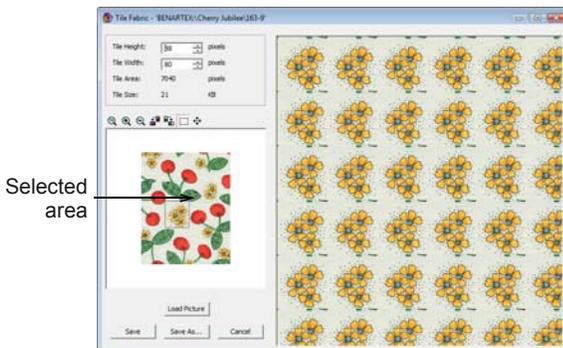
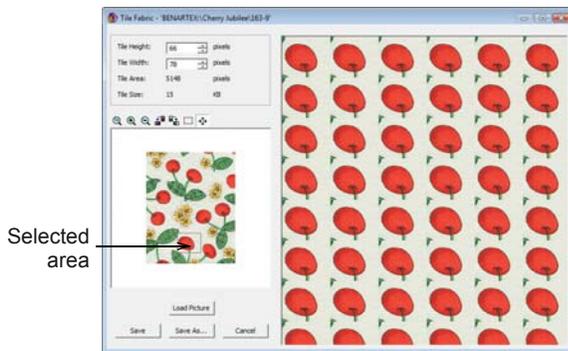


Select and double-click a pattern

The **Tile Fabric** dialog opens.



- 2 Click the **Select** icon.
- 3 Click and drag a rectangle around the area to be displayed in the fabric sample.



Tip Zoom in to make it easier to select a small area. See [Zooming fabric samples](#) for details.

- 4 Click **Save As** to save the sample and keep the original.



Note Click **Save** to replace the original image with the new sample.

Zooming fabric samples



Use Zoom 1:1 (Tile Fabric dialog) to show fabric sample at actual size.



Use Zoom In 2X (Tile Fabric dialog) to zoom in to the fabric sample.

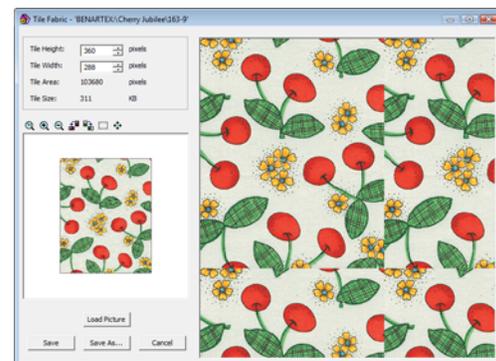


Use Zoom Out 2X (Tile Fabric dialog) to zoom out of the fabric sample.

Use the **Zoom** tools to display the fabric sample at its actual size, or zoom in or out. Zooming does not change the sample in the preview window.

To zoom a fabric sample

- 1 Select and double-click a pattern in the library. The **Tile Fabric** dialog opens.



- 2 Click one of the **Zoom** icons.

- ▶ **Zoom 1:1** to show fabric at actual size.



- ▶ **Zoom In 2X** to zoom in by 2X.



- ▶ **Zoom Out 2X** to zoom out by 2X.



Rotating fabric samples



Use Rotate 90 Left (Tile Fabric dialog) to rotate fabric sample to the left.



Use Rotate 90 Right (Tile Fabric dialog) to rotate fabric sample to the right.

When you use the **Rotate** tools, the fabric is rotated by 90°, either to the right or left. The preview window displays any changes.

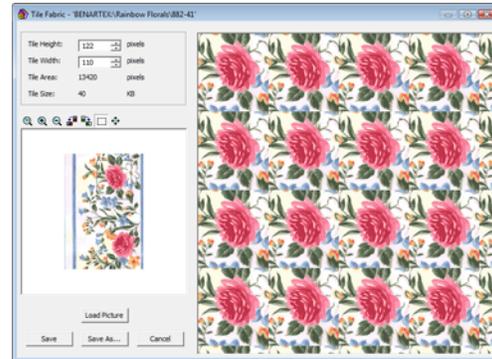


Note The fabric is rotated, not the selection rectangle.

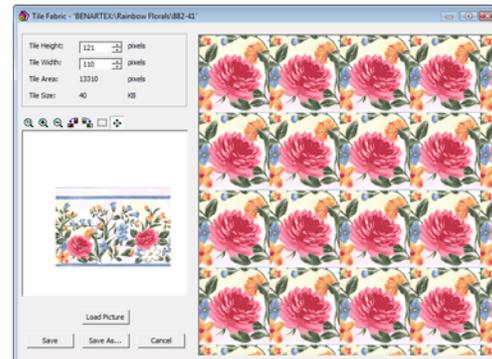
To rotate a fabric sample

- 1 Select and double-click a pattern in the library.

The **Tile Fabric** dialog opens.



- 2 Select an area as required.
- 3 Click one of the **Rotate** icons:
 - ▶ Rotate 90 Left
 - ▶ Rotate 90 Right



- 4 Click **Save As** to save the sample and keep the original sample.

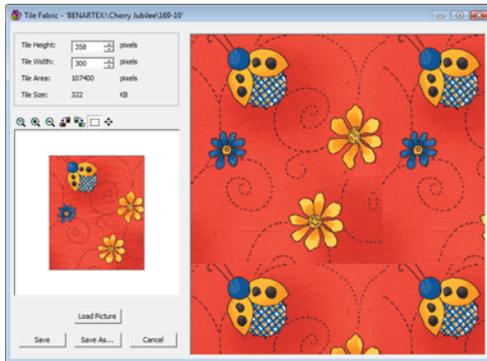
Resizing tiled areas exactly

If you need to resize the selection rectangle to an exact size, enter the dimensions.

To resize a tiled area exactly

- 1 Select and double-click a pattern in the library.

The **Tile Fabric** dialog opens.



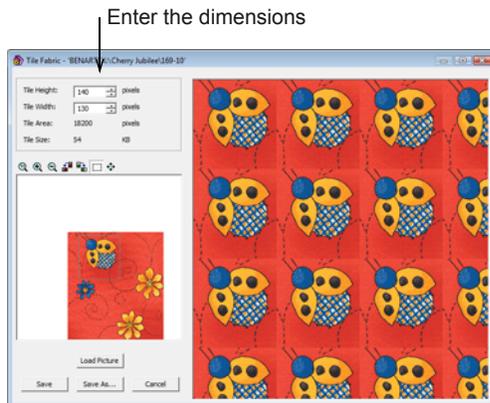
- 2 Click the **Select** icon.
- 3 Click and drag a rectangle around the approximate area to be tiled in the fabric sample.



Tip Zoom in to make it easier to select a small area. See [Zooming fabric samples](#) for details.

- 4 Enter the dimensions in the **Tile Height** and **Tile Width**.

The measurements are taken from the top left hand corner of the current selection rectangle.



- 5 Click **Save As** to save the sample and keep the original sample.

Resizing tiled areas with the Move/Edit Selection tool



Use Move/Edit Selection (Tile Fabric dialog) to resize a fabric sample a pixel at a time.

If you need to resize the selection rectangle by a pixel at a time, use the **Move/Edit Selection** tool. Use this method to trim or expand tiles by small amounts.

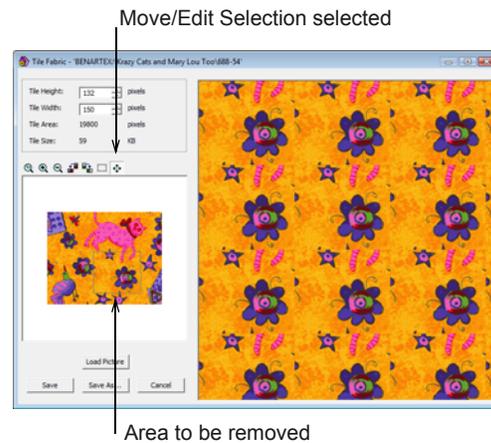
To resize a tiled area with the Move/Edit Selection tool

- 1 Select and double-click a pattern in the library. The **Tile Fabric** dialog opens.
- 2 Click the **Select** icon.
- 3 Click and drag a rectangle around the area to be tiled in the fabric sample.



Tip Zoom in to make it easier to select a small area. See [Zooming fabric samples](#) for details.

- 4 Select the **Move/Edit Selection** icon.



- 5 Move the cursor near one of the sides of the selection rectangle.
 - ▶ Place the cursor outside to increase the tile size.
 - ▶ Place the cursor inside to decrease the tile size.

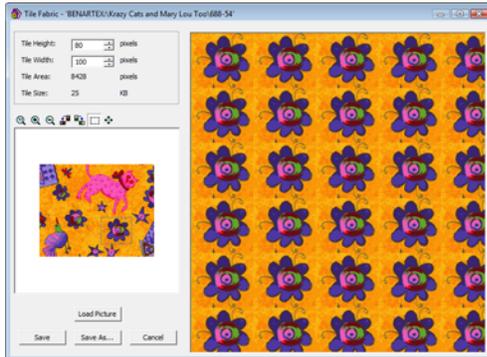
The cursor changes to the **Move/Edit Selection** cursor.



- 6 Keep clicking inside or outside the edge of the rectangle until the tile is resized correctly.



Note Check the dimensions in the **Tile Height** and **Tile Width** fields.



7 Click **Save** to save any changes.



Note To save the new tile and also keep the original, click the **Save As** button.

Managing backdrops and fabric samples

Pictures (bitmap images) can be inserted or scanned into BERNINA Quilter for use as digitizing backdrops or as fabric samples. Fabrics can be either plain or patterned. Plain fabric samples are stored in the **Colors Library** and patterned fabrics are stored in the **Fabrics Library**. BERNINA Quilter provides various ways to manage your patterned fabrics. See also [Scanning backdrops and fabrics](#).

Creating fabric samples

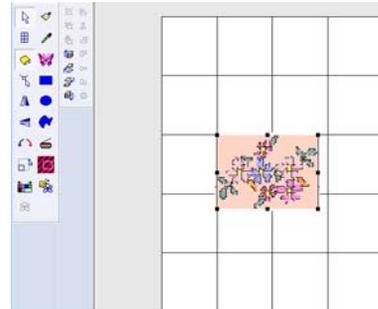


Select Tile Fabric (Edit toolbar) to create your own fabric.

The **Tile Fabric** dialog lets you create your own fabric samples and save them in your own categories.

To create a fabrics sample

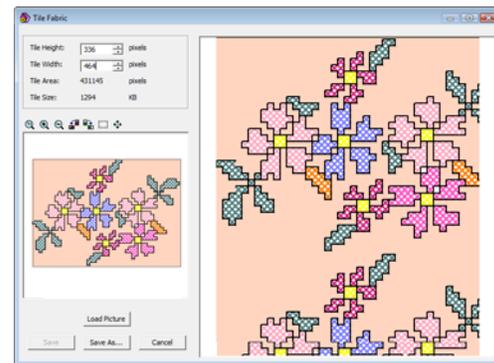
1 Insert or scan a fabric. See [Using images](#) for details.



2 Select the fabric image.

3 Select the **Tile Fabric** icon.

The **Tile Fabric** dialog opens.

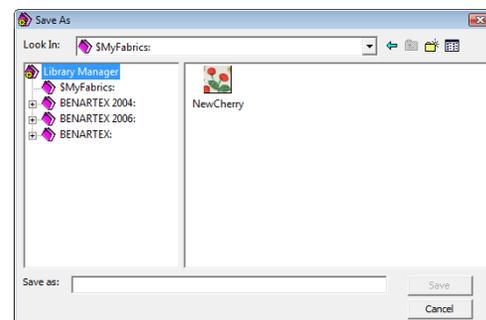


4 Click the **Select** icon.

5 Select the area of the fabric to be used. See [Selecting tiled areas of a fabric](#) for details.

6 Click **Save As**.

The **Save As** dialog opens.



7 Select a folder from the **Library Manager** or click **Create New Category** icon to create a new folder.

8 Enter the name of the new file in the **Save As** field.

- Click **Save**.

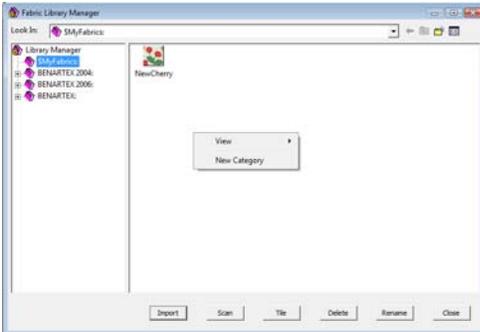
Creating fabric categories

The **Fabric Library Manager** dialog lets you create your own fabric categories to organize and classify your patterned fabrics.

To create a fabric category

- Select **File > Manage Fabrics**.

The **Fabric Library Manager** dialog opens.

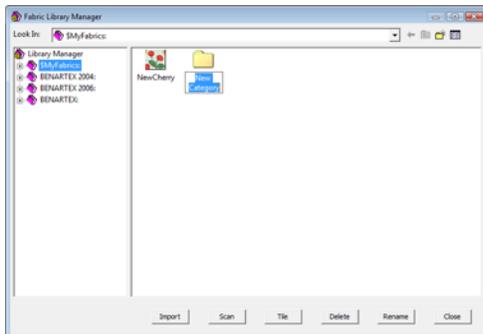


- Browse to the location you require.
- Right-click in the display window and select **New Category** from the popup list.



Tip You can also create new categories using the **Create New Categories** icon.

A **New Category** folder is created.



- Enter a name for the new folder.
 - Double-click the new folder to open it.
 - Enter the name of the new file in the **Save As** field.
 - Click **Save**.
- The new fabric sample is saved in the new category/folder.

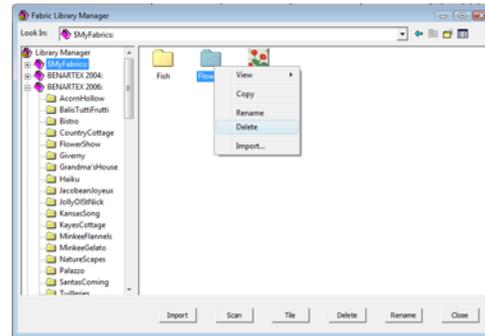
Deleting fabrics & categories

The **Fabric Library Manager** dialog lets you delete fabric categories when they are no longer needed.

To delete a fabric or category

- Select **File > Manage Fabrics**.

The **Fabric Library Manager** dialog opens.



- Select a sample or category, right-click and select **Delete** from the popup menu or simply press **Delete**.

A confirmation message appears. Note that it is possible to delete pre-defined fabric libraries such as BENARTEX from BERNINA Quilter.

- Click **Yes**.



Tip Select the file to be deleted and press the **Delete** key.

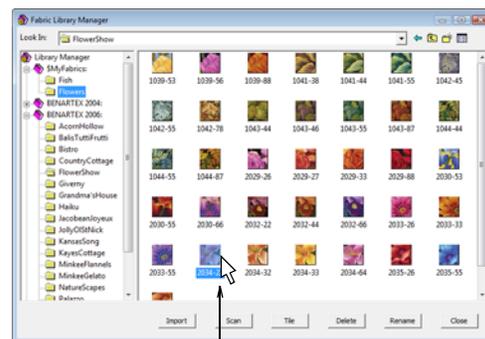
Moving fabrics to other categories

The **Fabric Library Manager** dialog lets you move your patterned fabrics to other categories.

To move a fabric to another category

- Select **File > Manage Fabrics**.

The **Fabric Library Manager** dialog opens.



Select to move

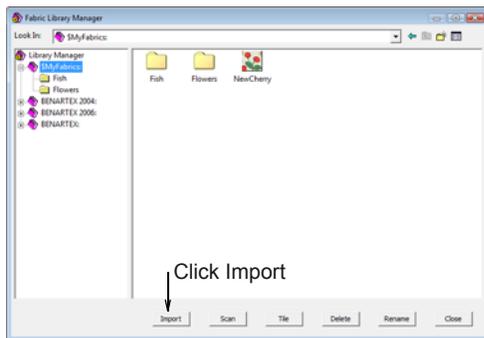
- 2 Select a fabric sample to move.
- 3 Drag the fabric sample to the new folder in the left window.
A confirmation message appears.

Importing fabrics

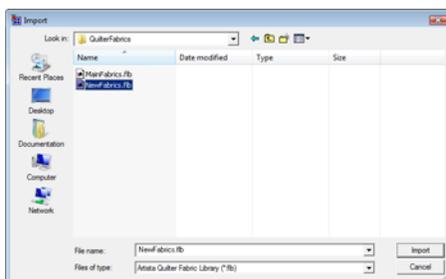
The **Fabric Library Manager** dialog lets you import BMP or JPG files.

To import a fabric

- 1 Click **File > Manage Fabrics**.
The **Fabric Library Manager** dialog opens.



- 2 Click **Import**.
The **Import** dialog opens.

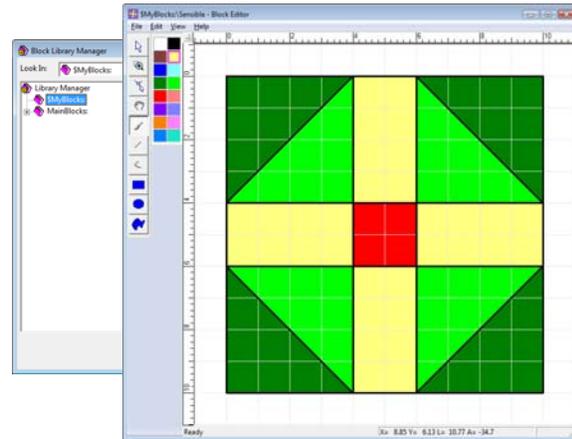


- 3 Select a file type from the **Files of Type** dropdown list.
- 4 Browse to the location of the file.
- 5 Select the file to import.
- 6 Click **Import**.

The selected files are added to the library. Move new fabrics to a suitable folder or create a new folder for your own fabric samples. See [Creating fabric categories](#) for details.

Creating custom patchwork blocks

BERNINA Quilter allows you to create your own block libraries and import new blocks to them. It also includes a block editor which lets you define your own square blocks. You can also create your own block categories, delete them and transfer blocks between categories.

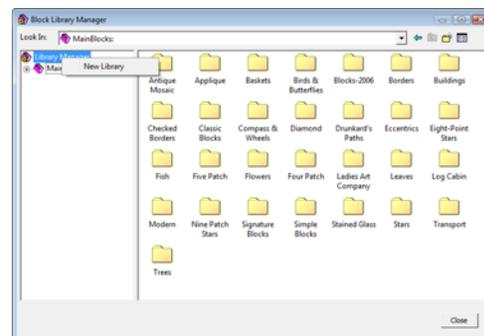


Creating custom libraries

The **Block Library Manager** lets you create your own block libraries to store custom blocks.

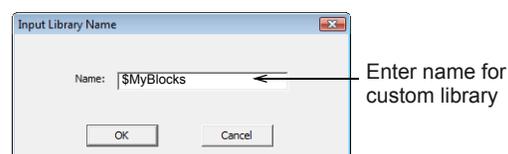
To create a custom library

- 1 Click **File > Manage Blocks**.
The **Block Library Manager** dialog opens.

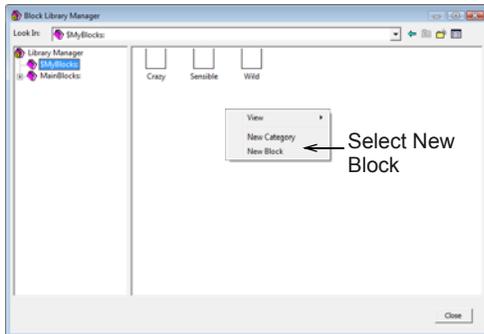


- 2 Right-click the **Library Manager** icon and select **New Library** from the popup menu.

The **Input Library Name** dialog opens.



- 3 Enter a name for your library and click **OK**.
The '\$' sign prefix denotes a custom library.
- 4 Select the new library and right-click within the window.

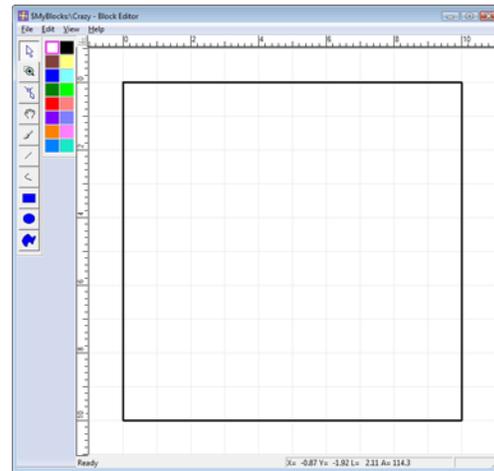


- 5 Select **New Block** from the popup menu.
A new blank block is added to the library.
- 6 Give it a name and close the block library manager.
You can now edit your freshly created blocks in the **Block Library**. See [Creating custom blocks](#) for details.

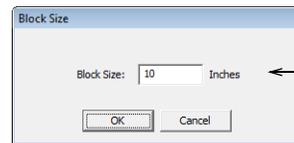


Note You can create as many sub-categories in your custom library as required. See [Organizing custom blocks](#) for details.

The blank block defaults to the 10x10 grid standard for quilt blocks.



- ▶ If required, adjust block size via the **Edit > Block Size** command.



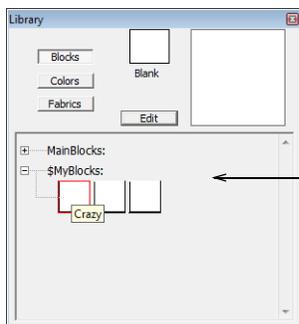
- ▶ Use the drawing tools and color palette to edit the blank block.

Creating custom blocks

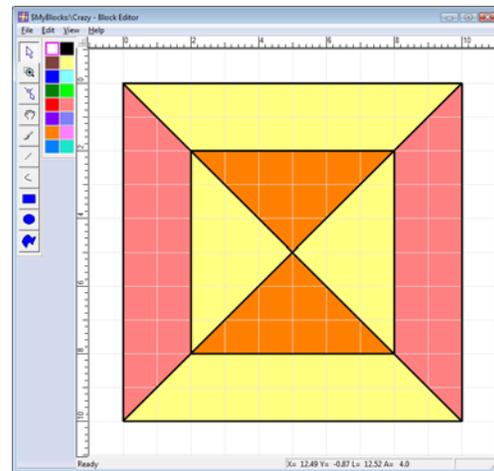
Once you have defined a block library to store your custom blocks and have added as many blanks as needed, you can edit them in the **Block Editor**.

To create a custom block

- ▶ In the library, select your custom library.



- ▶ Select a blank block and click the **Edit** button.
The selected blank block opens in the **Block Editor**.



Note Reshaping lines in a block causes any current colors to be removed. This is correct behavior as reshaping an area can change its geometry, making existing colors invalid.

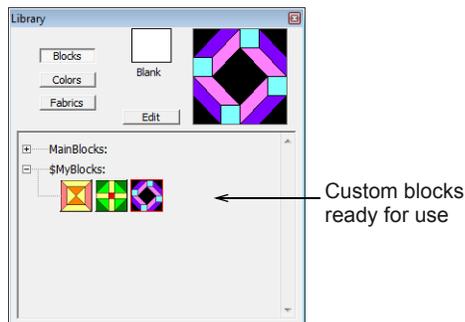
In general the drawing tools work the same way as in BERNINA Embroidery Software:

Tool	Purpose
	Use Select Shapes to select any lines drawn in the design window.
	Use Zoom Box to zoom in on details in your design. Use in conjunction with Pan.
	Use Reshape to modify selected lines in the block. Click and drag them as required. Right-click to add reshape nodes.
	Use Pan to click and drag the design within the editor window when working at high zoom factors.
	Use Color in conjunction with the color palette to color in selected areas of the block.
	Use Line to draw lines and divide up the grid as required.
	Use Curve to create curved lines.
	Use Solid Rectangle to create rectangular shapes in the currently selected color.
	Use Solid Circle to create circular shapes in the currently selected color.
	Use Solid Shape to create any shape in the currently selected color.



Tip When a block is zoomed out to the maximum, you will need to reselect the **Zoom Box** icon and redraw the zoom box in order to zoom in again.

- ▶ Use the **View > Snap to Grid** command to force the draw tools to conform to the grid.
- ▶ Use the **View > Smart Snap** command to force the draw tools to always join lines whether or not they conform to the grid.
- ▶ When satisfied with the block, select **File > Save**. The block is now available for use in the **Block Library**.



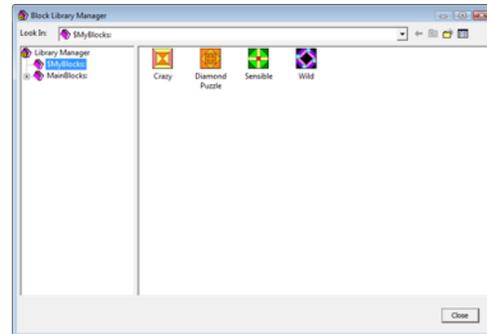
Organizing custom blocks

The **Block Library Manager** dialog lets you create block categories to organize and classify your patchwork blocks. You can also delete individual blocks and block categories when they are no longer needed. See also [Creating custom libraries](#).

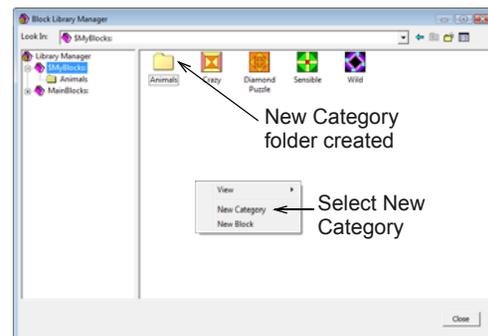
To organize custom blocks

- ▶ Click **File > Manage Blocks**.

The **Block Library Manager** dialog opens.

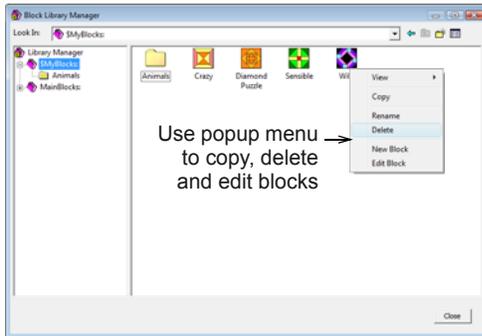


- ▶ Browse to a custom library. The '\$' sign prefix denotes a custom library.
- ▶ Right-click in the display window and select **New Category** from the popup list. Alternatively, click the **Create New Categories** icon at the top of the dialog.



- ▶ Enter a name for the new folder.

- ▶ To delete a block or category, right-click and select **Delete** from the popup menu.
- 2 Click **Edit** to access the **Block Editor**.



- ▶ Use the same popup menu to copy and paste blocks between folders.



Tip You can copy favorite factory-defined blocks from protected folders to your own custom folders.

- ▶ Use the popup to rename blocks or edit them as required. See also [Creating custom blocks](#).

Printing rotary cutting instructions

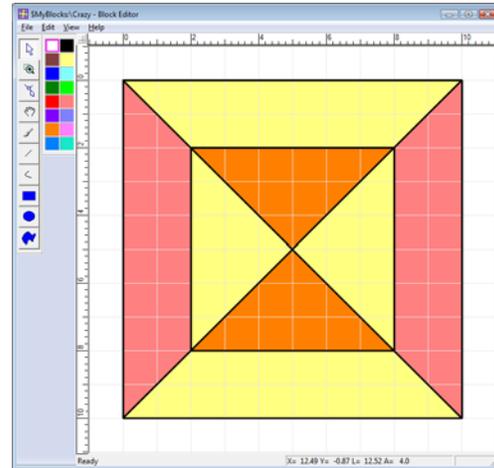
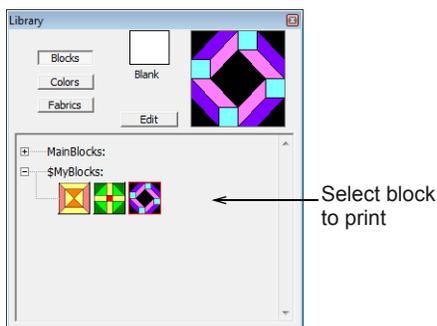
You can print rotary cutting instructions for your own custom blocks from within the **Block Editor**. See also [Printing quilt designs and blocks](#).



Note Not all patches can be rotary cut. Only blocks that are comprised of simple 3- or 4-sided shapes are suitable. Thus some patches may not appear in the rotary cutting instructions.

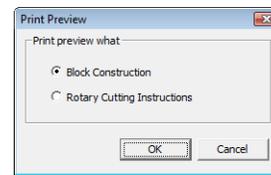
To print the rotary cutting instructions

- 1 In the library, select the block you want to print.



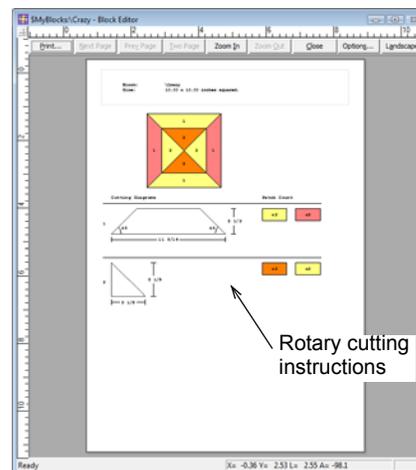
- 3 Select **File > Print Preview**.

The **Print Preview** dialog opens with a limited range of options. See also [Printing patchwork blocks](#).

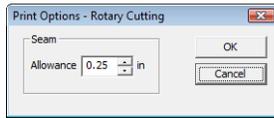


- 4 Select **Rotary Cutting Instructions** and click **OK**.

The selected block displays in the preview window.



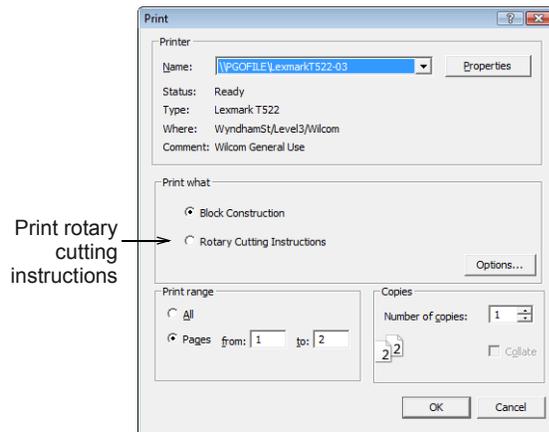
- 5 Click **Options** to change seam allowance. See also [Printing rotary cutting instructions](#).



- 6 Click the **Print** button to print out a copy of the cutting diagrams.



Note The **File > Print** command gives you a similar set of options. See also [Printing quilt designs](#).

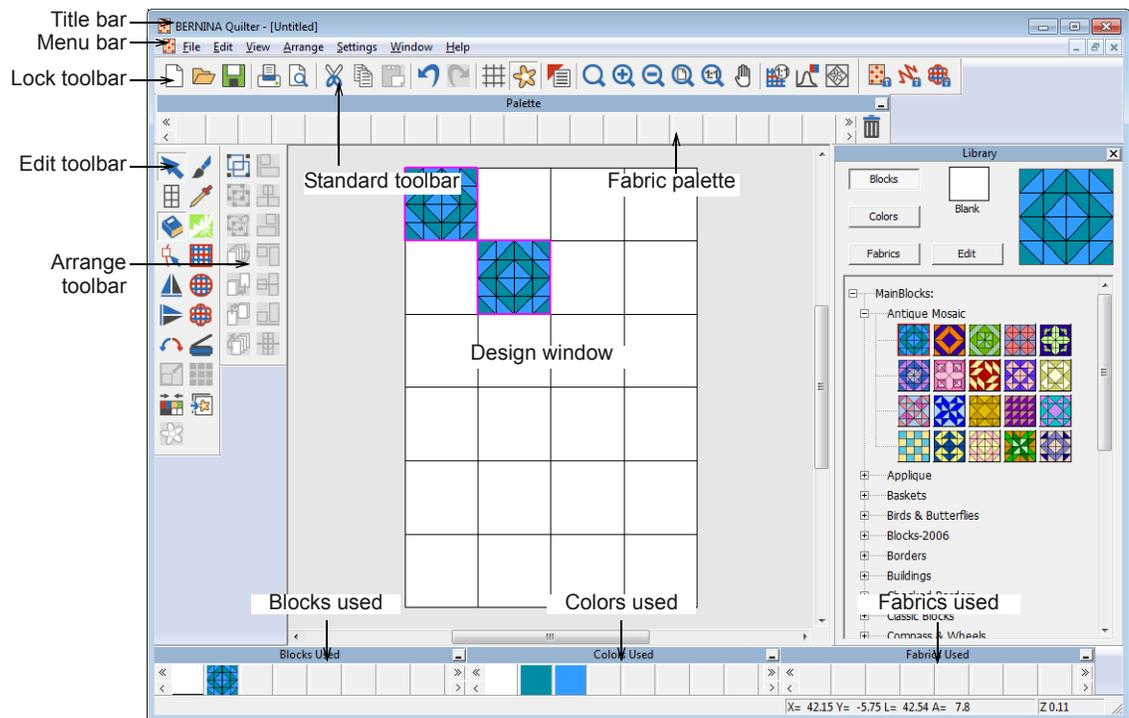


APPENDIX A

QUILTER QUICK REFERENCE

This Quick Reference details all menu options and toolbars available in BERNINA Quilter.

BERNINA Quilter design window



BERNINA Quilter window menu bar

The BERNINA Quilter window menu bar contains the pulldown menus described below. Some are also available as toolbar buttons.



Note Standard Windows **Alt** key shortcuts apply. Use the **Alt** key with the letter underlined in the menu. To cancel an operation, press **Esc** twice.

File menu

New Quilt	Open new empty quilt design.
Open	Open design.
Close	Close current design window.
Insert Embroidery	Insert existing embroidery design.
Load Artwork	Insert existing image.
Save	Save current design.
Save As	Save current design to with a different name, location or format.

Quilt Properties	Add comments about quilt design for printing on worksheet.
Print	Print design.
Print Preview	Show design worksheet. Print a worksheet from this window.
Tile Fabric	Opens the Tile Fabrics dialog.
Manage Fabrics	Opens the Manage Fabrics dialog.
Manage Blocks	Opens the Manage Blocks dialog.
Recent File List	List most recently used files. Select to open a file.
Exit	Close all open designs and exit BERNINA Quilter program.

Edit menu

Undo	Cancel last command.
Redo	Re-apply cancelled commands.
Cut	Delete selection and places it on clipboard.
Copy	Copy selection to clipboard.
Paste	Paste contents of clipboard to design window.
Duplicate	Duplicate selection and place it on current selection.
Delete	Delete selection without placing it on clipboard.
Select All Applique	Select all applique objects in design.
Lock Applique	Lock all applique objects so they cannot be moved accidentally.
Lock Embroidery	Lock all embroidery objects so they cannot be moved accidentally.
Lock Quilt	Lock all the quilt so it cannot be changed accidentally.
Deselect All	Deselect all selected objects in design.
Edit Embroidery	Open the embroidery in BERNINA Embroidery Software to edit.

View menu

Show 1:1	Show quilt at correct size.
Show All	Show whole quilt.
Zoom In 2X	Zoom in to quilt by factor of two.
Zoom Out 2X	Zoom out of quilt by factor of two.
Zoom Box	Zoom selected area to full window size.
Artwork	Show or hide background picture.
Grid	Show or hide grid and sets grid size and spacing.

Measure	Measure block or object size.
Toolbars	Show or hide toolbars.

Arrange menu

Mirror Horizontal	Mirror selected object/s horizontally about center.
Mirror Vertical	Mirror selected object/s vertically about center.
Group	Group selected objects into one object.
Ungroup	Separate grouped object into component objects.
Regroup	Group previously grouped objects after ungrouping.
Bring to Front	Bring selected object to the front.
Bring Forward	Bring selected object one layer towards the front.
Send Backward	Send selected object one layer towards the back.
Send to Back	Send selected object to the back.

Settings menu

Object Properties	Adjust properties for selected shapes.
Options	Adjust settings for display window.
Display Setup	Calibrate screen.
Scanner Setup	Set scanner options.

Window menu

New Window	Open new window.
Cascade	Align open windows.
Tile Horizontally	Tile open windows horizontally.
Tile Vertically	Tile open windows vertically.
Arrange Icons	Arrange icons in design window.

Help menu

Help Topics	List online help topics.
Reference Manual	Open User Guide in Adobe Acrobat PDF format.
About	Show BERNINA Embroidery Software version information.
Bernina International Home Page	Open BERNINA® International web site.
Bernina of America Home Page	Open BERNINA® of America web site.

Embroidery Online	Open Embroidery Online web site.
Access Code Order Form	Open Access Code online order form.

The BERNINA Quilter window contains the toolbars described below. Some are shortcuts to the pulldown menu commands.

Lock toolbar

	Lock Quilt	Lock the whole quilt.
	Lock Embroidery	Lock the embroidery design.
	Lock Appliqué	Lock the appliqué shapes.

Standard toolbar

	New	Same as File > New
	Open	Same as File > Open
	Save	Same as File > Save
	Print	Prints design using current print settings.
	Print Preview	Same as File > Print Preview
	Cut	Same as Edit > Cut
	Copy	Same as Edit > Copy
	Paste	Same as Edit > Paste
	Undo	Same as Edit > Undo
	Redo	Same as Edit > Redo
	Show Grid	Same as View > Grid
	Show/Hide Artwork	Same as View > Picture
	Object Properties	Same as Settings > Object Properties
	Zoom Box	Same as View > Zoom Box
	Zoom In 2X	Same as View > Zoom In 2X

	Zoom Out 2X	Same as View > Zoom Out 2X
	Show All	Same as View > Show All
	Show 1:1	Same as View > Show 1:1
	Pan	View parts of a design which are not currently visible in the design window.
	Show Fabric 1:1	Show fabrics at actual size.
	Show Fabric Average Color	Show fabrics with averaged colors.
	Show Outlines	Show only black outlines of the quilt blocks.

Edit toolbar

	Select Object	Select object for sizing, moving, mirroring or rotating.
	Quilt Layout	Set up number and arrangement blocks in the quilt.
	Library	Display and choose patchwork blocks.
	Reshape Applique	Reshape selected applique objects.
	Mirror Horizontal	Same as Arrange > Mirror Horizontal
	Mirror Vertical	Same as Arrange > Mirror Vertical
	Rotate 90 Left/Right	Rotate selected objects in 45° increments. Click to rotate counter clockwise. Right-click to rotate clockwise.
	Scale by 20% Down / Up	Scale selected object in 20% increments. Click to reduce object/s. Right-click to increase object/s.
	Adjust Hue/Brightness	Adjust hue or brightness of the whole quilt or selected objects.
	Dim Artwork	Dim or brighten image to show quilt more clearly.
	Paintbrush	Select and add patchwork blocks to the quilt.
	Eyedropper	Select a patchwork block or fabric.
	Embroidery Window	Open a separate embroidery window.
	Rectangular Appliqué	Draw rectangle or square appliques.

	Oval Appliqué	Draw ovals or circle appliques.
	Draw Appliqué	Draw appliqué shapes.
	Scan Artwork	Scans picture into BERNINA Embroidery Software.
	Tile Fabric	Show the fabric tiled over the complete design window.
	Load Artwork	Insert image in design window.

Arrange toolbar

	Group	Same as Arrange > Group
	Ungroup	Same as Arrange > Ungroup
	Regroup	Same as Arrange > Regroup
	Bring to Front	Same as Arrange > Bring to Front
	Bring Forward	Same as Arrange > Bring Forward
	Send Backward	Same as Arrange > Send Backwards
	Send to Back	Same as Arrange > Send to Back
	Align Left (Vertical)	Left-align selected objects.
	Align Center (Vertical)	Vertically align centers of selected objects.
	Align Right (Vertical)	Right-align selected objects.
	Align Top (Horizontal)	Aligns top of selected objects.
	Align Middle (Horizontal)	Horizontally align centers of selected objects.
	Align Bottom (Horizontal)	Align bottoms of selected objects.
	Align Centers	Align centers of selected objects to design center.

APPENDIX B

KEYBOARD SHORTCUTS

You select commands in BERNINA Embroidery Software as other MS Windows® applications – from menus or toolbars. Keyboard shortcuts are available for frequently used commands.

General functions

To	Press
Cancel command	Esc
Exit the program	Alt + F4
Open existing design	Ctrl + O
Print design	Ctrl + P
Save design	Ctrl + S
Start new design	Ctrl + N

View designs

To	Press	Or
Measure distances	M	
Show at 1:1 scale (100%)	1	
Show entire design	0	
Show outlines	Ctrl + L	
Draw a zoom box	B then 	
Zoom in 2x	Z	 wheel
Zoom out 2x	Shift + Z	 wheel

Edit designs

To	Press
Redo command	Ctrl + Y
Undo command	Ctrl + Z
Cut selection	Ctrl + X
Copy selection	Ctrl + C
Paste selection	Ctrl + V
Duplicate object	Ctrl + D
Delete selection	Delete
Select all appliqué	Ctrl + A
Lock appliqué	Ctrl + Shift + A

To	Press
Lock embroidery	Ctrl + Shift + E
Lock quilt	Ctrl + Shift + Q
Deselect all	X
Edit embroidery	E

Arrange selections

To	Press
Group selection	Ctrl + G
Ungroup selection	Ctrl + U
Regroup selection	Ctrl + R
Bring selection to front	Shift + Page Up
Bring selection forward	Page Up
Send selection backwards	Page Down
Send selection to back	Shift + Page Down

APPENDIX C

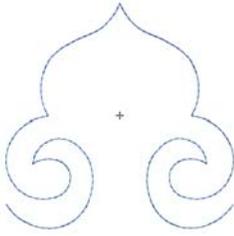
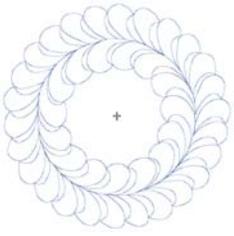
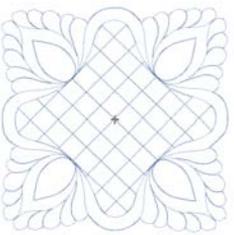
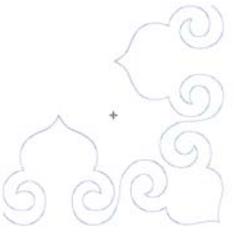
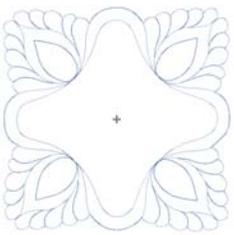
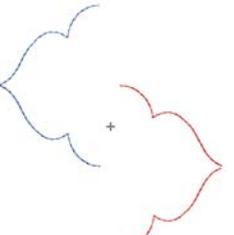
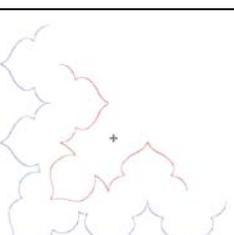
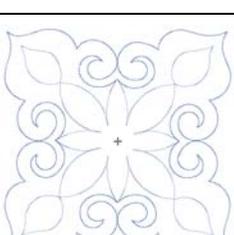
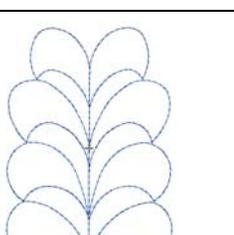
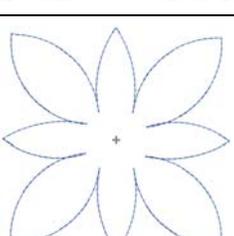
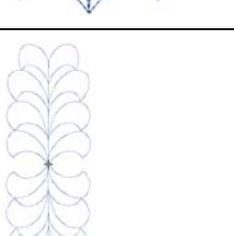
STENCIL QUILT DESIGN SAMPLES

The Holic Turnbow stencil quilt design samples shown in this appendix are a sample of those included with your BERNINA Embroidery Software program. (The online manual contains the full range of Holic Turnbow stencil quilt design samples. You can access it from your BERNINA Embroidery Software Help menu.) The actual designs (ART designs) can be found in your **My Designs/Holic Turnbow Stencil Quilt Designs** folder. A number of designs are provided in both smaller and larger formats – e.g. HT105 and HT105LG.



Note Designs contained in the folder **Holic Turnbow Stencil Quilt Designs** were created by Holic Turnbow. These designs are protected under copyright for the exclusive use of registered owners of the BERNINA Embroidery Software software. Designs cannot be shared, transferred, sold, or copied to other electronic products, nor to anyone who does not own the BERNINA Embroidery Software software product.

ID	Sample	ID	Sample	ID	Sample
HT102		HT106		HT109	
HT103		HT107		HT110	
HT104		HT108		HT111	
HT105				HT112	

ID	Sample	ID	Sample	ID	Sample
HT112-2		HT116		HT120	
HT113		HT116-2			
HT113-2		HT117			
HT114		HT117-2			
HT115		HT118			
HT115-2		HT119			

INDEX

Numerics

3D effects, creating 1

A

adding, control points 29
Adjust Hue/Brightness tool 20
Application Launcher tool 3
appliqué
 adding circular shapes 28
 adding freeform shapes 28
 adding rectangles 27
 adding to quilt 27
 moving 36
 printing from quilt 23
 printing shapes 23
 reshaping 28, 30
 reshaping circles 30
 scaling 38
 skewing 37
appliqué, adding to quilts 1
Arrange toolbar
 Group 34
 Regroup 34
 Ungroup 34
arranging, objects 34
averaged colors, viewing 19

B

backdrops, managing 44
backing 2
batting 2
bitmaps, scanning 13
black and white outlines 18
blank block
 deleting fabrics 38
 deleting in quilts 38
block
 deleting fabrics 38
 height 6
 patchwork 1
 width 6
block categories
 creating 48
blocks
 adding a sash 7
 adding fabrics 16
 adding to quilt 14, 15
 adding with Paintbrush 36

block library 15
changing block size 6
changing layout 6
changing number 6
deleting patchwork blocks 38
displaying 17
duplicating 35
editing 32
library 14
mirroring 37
moving 36
printing 22
printing block construction 22
rotating 37
selecting with Eyedropper 33
selecting with Select Object 33
setting up layout 5
transforming 36
borders
 adding quilt border 9
 adjusting rectangle borders 11
 changing border style 10
 changing sash border 7
 changing width 10
 deleting quilt border 10
 inserting quilt border 9
 patchwork 1
brightness, adjusting 20

C

categories
 creating block categories 48
 creating fabric 45
 deleting 45
 moving fabrics between 45
changing, control points 29
circles
 adding appliqué 28
 reshaping appliqué 30
Circular Appliqué tool 27
circular appliqué, adding to quilt 27
colors
 adjusting hue 20
 adjusting/mixing 20
 library 15
 mixing your own 21
 viewing averaged colors 19
construction, printing 22
control points
 adding 29

changing 29
deleting 30
moving 29
reshaping appliqué 28
 selecting 29
Copy tool 35
copying, with Select tool 35
creating, block categories 48
custom blocks
 creating 46, 47
 organizing 48
custom colors 21
custom libraries, creating 46
Cut tool 35
cutting instructions, printing 26, 49
cutting, with Select tool 35

D

deleting
 blank block 38
 control points 30
designs
 adding embroidery to quilt 31
 creating embroidery 31
 editing embroidery 32
 saving 5
 viewing information 5
 viewing settings 18
dialog
 Adjust Hue/Brightness 20
 Color 21
 Library 15
 Load Picture 14
 Manage Blocks 46, 48
 Manage Fabrics 45, 46
 Options > Grid 4
 Print Options-Appliqué 24
 Print Options-Block
 Construction 23
 Print Options-Blocks 22
 Print Options-Whole Quilt 24
 Print Options-Yardage 25, 49
 Print Preview 22, 23, 24, 25, 49
 Quilt Layout 6, 7, 8, 9, 10, 11
 Quilt Properties > Quilt 5
 Save As 5
 Tile Fabric 40, 41, 42, 44
diamonds, on-point 1
Draw Appliqué tool 27, 28
drawing, adding appliqué shapes 28

duplicating, blocks/objects 35

E

Edit toolbar

Adjust Hue/Brightness 20
 Circular Appliqué 27
 Draw Appliqué 27, 28
 Embroidery Window 31, 32
 Eyedropper 33
 Library 15, 16
 Load Artwork 13
 Mirror Horizontal 37
 Mirror Vertical 37
 Oval Appliqué 28
 Paintbrush 15, 16, 36
 Quilt Layout 5
 Rectangular Appliqué 27
 Reshape Appliqué 27, 28, 29, 30
 Rotate 90°CCW/CW 37
 Scale by 20% Down/Up 38
 Scan Artwork 13
 Select Object 33, 35
 Tile Fabric 44

editing, blocks/objects 32

embroidery

adding to quilt 31
 adding to quilts 30
 creating 31
 deleting from quilt 39
 editing 32
 moving 36

Embroidery Window 31, 32

Embroidery Window tool 31, 32

embroidery, adding to quilts 1

Eyedropper tool 33
 selecting blocks 33

F

fabric

modifying tiled area 40
 printing yardage 25
 printing yardage needed 25
 resize sample exactly 42
 resize with Nudge tool 43
 selecting areas 40
 selecting tiled areas 40

fabric categories, creating 45

fabric palette, organizing fabrics 19

fabric patterns, view actual size 19

fabric samples

creating 44
 importing 46
 rotating 42
 zooming 41

fabrics

adding to blocks 16
 adding to patches 17
 adding to quilt 14

adding with Paintbrush 36

deleting 38, 45

displaying 17

library 15

light, medium and dark 1

managing 44

moving between categories 45

organizing on Fabric Palette 19

previewing patterned fabrics 16

removing from quilt 38

scanning samples 13

selecting with Eyedropper 33

freeform appliqué, adding to quilt 27

G

General toolbar

Application Launcher 3

Grid tool 4

grid, changing settings 4

Group tool 34

grouping, objects 34

H

hide

grid 4

picture 14

hue, adjusting 20

I

images

hiding 14

inserting 13

managing 44

moving 36

scanning 13

using 13

viewing 14

importing, fabric samples 46

K

keyboard shortcuts 55

L

layout

adding sashes 7

adjusting rectangle borders 11

changing block format 6

changing block number 6

changing block size 6

changing border width 10

on-point 6

rectangle 6

setting up 5

libraries, creating your own 46

library

adding blocks to quilt 15

blocks 14

colors 15

fabrics 15

patchwork blocks 15

previewing patterned fabrics 16

Library tool 15, 16

Load Artwork tool 13

Load Picture dialog 14

Lock Appliqué tool 33

Lock Embroidery tool 33

Lock Quilt tool 33

Lock toolbar

Lock Appliqué 33

Lock Embroidery 33

Lock Quilt 33

locking, whole quilt 33

M

Manage Blocks dialog 46, 48

Manage Fabrics dialog 45, 46

menu bar

General 53

Mirror Horizontal tool 37

Mirror Vertical tool 37

mirroring, blocks/objects 37

mixing, your own colors 21

modifying objects

reshaping 29

reshaping circle appliqué 30

Move/Edit Selection tool 43

moving

control points 29

fabrics between categories 45

O

objects

arranging/aligning 34

deleting 38

duplicating 35

editing 32

grouping/ungrouping 34

mirroring 37

moving 36

reshaping appliqué 28

rotating 37

scaling 38

skewing 37

transforming 36

on-point, diamonds 1

outlines

displaying 18

viewing block outlines 18

Oval Appliqué tool 28

ovals, reshaping circles 30

P

Paintbrush

- adding fabrics/blocks 36
- adding patchwork blocks 36

Paintbrush tool 15, 16, 36

Palette, Fabric Palette 19

Pan tool 18

panning designs 18

Paste tool 35

pasting, with Select tool 35

patchwork

- printing blocks 22
- quilt designs 1

patchwork blocks 1

- adding to quilt 15
- adding with Paintbrush 36

creating 46, 47

deleting 38

moving 36

organizing 48

patchwork pieces

- adding fabrics 17
- adding to quilts 15

printing 22

patterned fabrics

- averaged color display 19
- displaying 17

preview 16

patterns, patchwork 1

pictures

- inserting, scanning 13
- moving 36

viewing/hiding 14

piecing 1

plain fabrics, displaying 17

preview, patterned fabrics 16

Print Preview tool 21

Print tool 21

printing

- patchwork blocks 22
- patchwork pieces 22

quilt designs 21

whole quilt 24

yardage for quilt 25

Q

quilt

- adding appliqué 27
- adding fabrics 16
- adding patchwork blocks 15
- deleting embroidery 39
- locking 33
- printing whole quilt 24
- transforming blocks 36
- quilt blocks, showing outlines 18
- quilt borders
 - adding 9
 - changing style 10

changing width 10

deleting 10

inserting 9

quilt designs

- opening 3
- patchwork 1

printing 21

Quilt Layout tool 5

quilt layout, setup 5

quilt sizes 3

quilt top 2

Quilter, opening 3

quilting

- adding circular appliqué 28
- adding embroidery 30, 31
- adding freeform appliqué 28
- adding rectangle appliqué 27
- construction 2
- editing blocks/objects 32

R

rectangle appliqué, adding to quilt 27

rectangle borders, changing 11

rectangles, adding appliqué 27

Rectangular Appliqué tool 27

Regroup tool 34

regrouping, objects 34

Reshape Appliqué tool 27, 28, 29, 30

reshape control points, selecting 29

reshaping

- adding control points 29
- appliqué 28
- appliqué objects 30
- changing control points 29
- circle appliqué 30

deleting control points 30

moving control points 29

resizing

- fabric samples 42
- fabric with Nudge tool 43

rotary cutting instructions,

printing 26, 49

Rotate 90 Left tool 42

Rotate 90 Right tool 42

Rotate 90°CCW/CW tool 37

rotating

- blocks/objects 37
- fabric samples 42

S

samples

- creating 44
- managing 44

sashes

- adding between blocks 7
- changing width 8
- patchwork 1

Save tool 5

saving, designs 5

Scale by 20% Down/Up tool 38

scaling, objects 38

Scan Artwork tool 13

scanning images 13

seam allowance 22

Select Object tool 33, 35

Select tool

- copying/cutting/pasting 35

selecting

- blocks 33
- reshape control points 29

settings, changing quilt grid 4

shapes, adding appliqué 28

shortcut keys 55

show

- grid 4
- pictures 14

Show Fabric 1-1 tool 19

Show Fabric Average Color tool 19

Show Outlines tool 18

Show/Hide Artwork tool 14

sizes

- changing block size 6
- quilts 3

skewing, objects/appliqué 37

spacing, setting grid spacing 4

square format 1

Standard toolbar

Copy 35

Cut 35

Grid tool 4

Pan 18

Paste 35

Print 21

Print Preview 21

Save 5

Show Fabric 1-1 19

Show Fabric Average Color 19

Show Outlines 18

Show/Hide Artwork 14

style

- changing border style 10
- changing sash style 7

T

Tile Fabric dialog 40, 41, 42, 44

Rotate 90 Left 42

Rotate 90 Right 42

Tile Fabric tool 44

Tile Fabric toolbar

Move/Edit Selection 43

Select 40

Zoom 1-1 41

Zoom In 41

Zoom Out 41

tile, modifying fabric sample 40

tiled areas, selecting 40

transforming, blocks/objects 36
TWAIN-compatible scanners 13

U

Ungroup tool 34
ungrouping, objects 34

V

viewing
images 14
outline view 18
panning across designs 18
patterned fabric at actual size 19
quilt designs 18

W

whole quilt, printing 24
width, changing sash width 7, 8

Y

yardage, printing 25

Z

Zoom 1-1 tool 41
Zoom In tool 41
Zoom Out tool 41
zoom, fabric samples 41