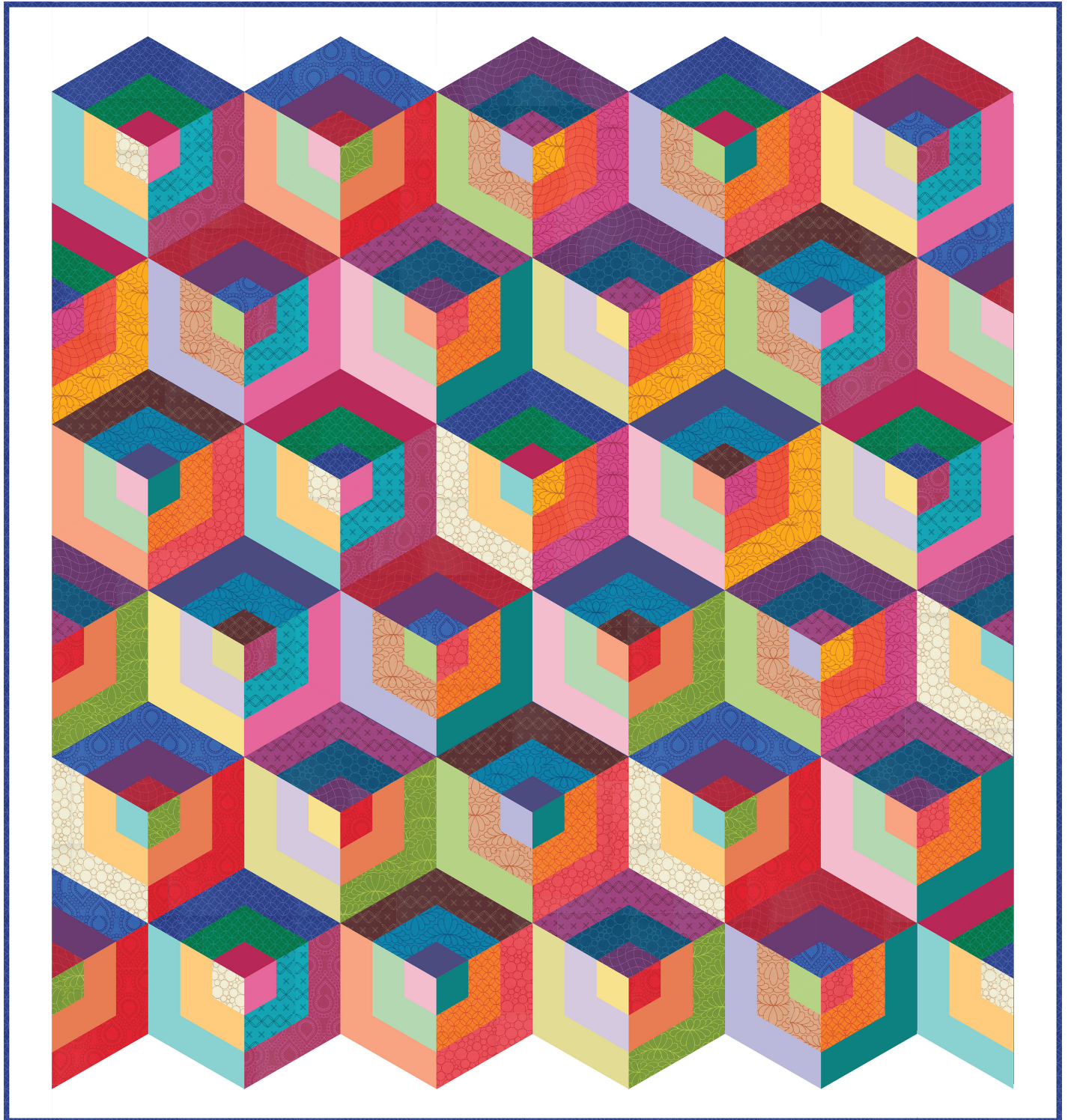


Fuse Box

Companion Pattern for Studio 180 Design's Star 60® Tool

Cover quilt shown in Rainbow Spice by Sarah Thomas of Sariditty for Moda



Fuse Box

Companion Pattern for Studio 180 Design's
Star 60° Tool

Quilt Designed by Sarah Furrer, Studio 180 Design

Recommended Tool: Star 60°

Project Sizes: 41" x 58½", 65" x 69"

Create a fun quick quilt with a Jelly Roll™ or two and your **Star 60°** tool. There's a hint of illusion to this quilt, but it's easily constructed with strip piecing. You'll have a quilt in no time!

Fabric Requirements

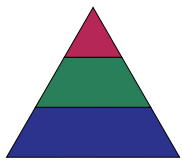
Based on 40" of usable fabric with few cutting errors.

Fabric	Crib/Toddler	Throw
Assorted Lights, Mediums, and Darks	12 – 2½" strips of each value (1 Jelly Roll™)	24 – 2½" strips of each value (2 Jelly Rolls™)
Background and Borders	¾ yard	1 yard
Binding	½ yard	⅔ yard
Backing	2¾ yards	4⅞ yards

It is recommended that you read through the instructions to familiarize yourself with the steps before you begin, and, of course, that you use your best skills when cutting, sewing, and pressing.

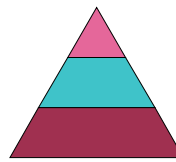
We'll start with a summary of the blocks you will need to create for this quilt.

Block Summary



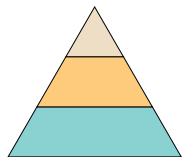
Darks

6" finished
Make (30, 60)
Assorted Darks



Mediums

6" finished
Make (30, 60)
Assorted Mediums



Lights

6" finished
Make (30, 60)
Assorted Lights

Cutting Instructions

Note: wof stands for width of fabric.

Fabric	Crib/Toddler	Throw
Background	Cut 2 strips 7" x wof; sub-cut into 6 rectangles 7" x 8½".	Cut 3 strips 7" x wof; sub-cut into 10 rectangles 7" x 8½".
Side Borders	Cut 3 strips 3" x wof; piece and cut to make 2 strips 3" x 59".	Cut 4 strips 3" x wof; piece and cut to make 2 strips 3" x 69½".
Binding	Cut 2¼" strips by preferred method, and make 220" of binding.	Cut 2¼" strips by preferred method, and make 288" of binding.

Piecing Instructions

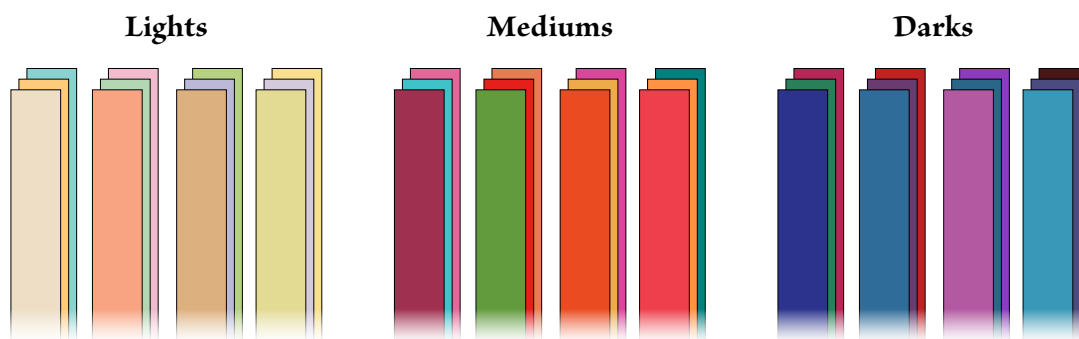
Note: For more information and left-handed cutting and trimming directions, refer to the instructions that came with your Star 60® tool or to the online video at Studio180Design.net.

Piecing Instructions

Step 1 - Organize your 2½" strips into three different value groups, light, medium and dark, with (12, 24) strips in each group. Make sure your strips measure 2½" x wof, trimming them if necessary.

Tips for Success: Think of this like sorting laundry. You will need to separate the strips into piles of lights, mediums, and darks. Use the camera on your phone to take a picture and turn the image to black and white to double check your strip placement. Strips that are out of place will stand out. Consider rearranging as needed. You may wish to consider using the wrong side of a fabric to help you fill out a value section.

Step 2 - Arrange. Working with one value group at a time, lay out and organize the (12, 24) strips into (4, 8) strip sets with 3 strips in each set.



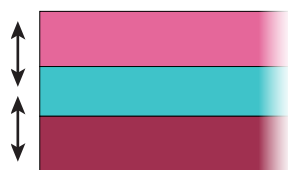
Steps 1 & 2 - Organize

Step 3 - Stitch the strips together to make your strip sets. Press the seams open. The strip set should measure 6½" x wof. (approximately 40").

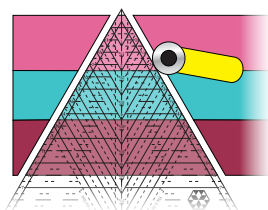
Step 4 - Position the strip set right side up on your cutting mat. Position the Star 60® tool as shown. Align the mark near the tip of the tool with the top of the strip set and the 6½" horizontal line with the bottom of the strip set. The 2¼" and 4¼" horizontal lines will align with the seams between the strips.

Step 5 - Cut up one side of the tool and down the other. Right handed quilters will cut from left to right along the strip set; left handed quilters will cut from right to left along the strip set.

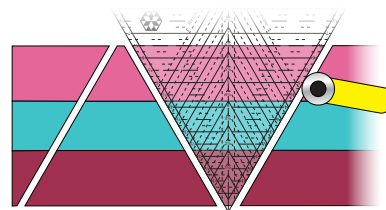
Step 6 - Rotate the Star 60® tool 180° so that the sharp point is pointing toward you. Align the same tool guidelines used in step 4 with the upper edge of your strip. Also align one edge of the tool with the previously trimmed edge. Cut the next triangle from the strip. Continue rotating and cutting until you have 8 triangles from each strip set for a total of (32, 64) triangles.



Step 3 - Stitch and Press



Steps 4 & 5 - Position and Cut

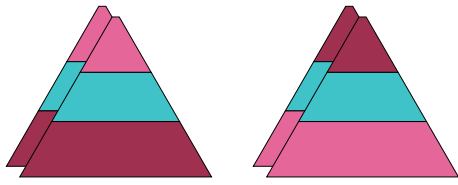


Step 6 - Rotate and Cut Again

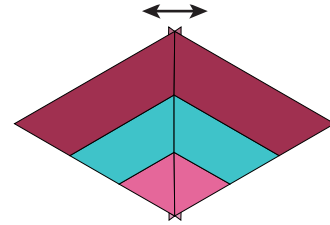
Step 7 - Pair. From each strip set, clip or pin two of the same triangles together into pairs. You will get 4 pairs of triangles from each strip set, for a total of (16, 32) pairs of triangles.

Step 8 - Repeat steps 2 through 7 for the remaining two value groups.

Step 9 - Stitch a paired set of medium triangles together along one edge as shown. Press the seam open. Repeat with the light triangles.



Step 7 - Pair

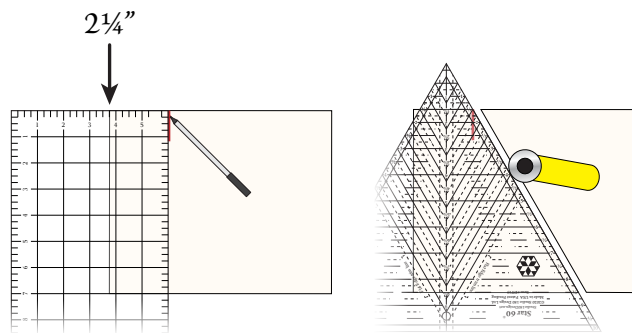


Step 9 - Stitch and Press

Cutting Half Triangles

Step 10 - Layer two 7" x 8½" rectangles right or wrong sides together on your cutting mat so that the longer edge is horizontal. Measure over 2¼" from the upper left if right handed or upper right if left handed. Position the diagonal edge of the Star 60° tool at the 2¼" mark and any horizontal guideline on the top and bottom of the rectangle.

Step 11 - Cut along the edge of the Star 60° tool. This will give you two pairs of mirror image half triangles. Repeat steps 10 and 11 for the remaining rectangles to get a total of (6, 10) pairs of mirror image triangles. These are oversized.



Steps 10 & 11 - Mark and Cut

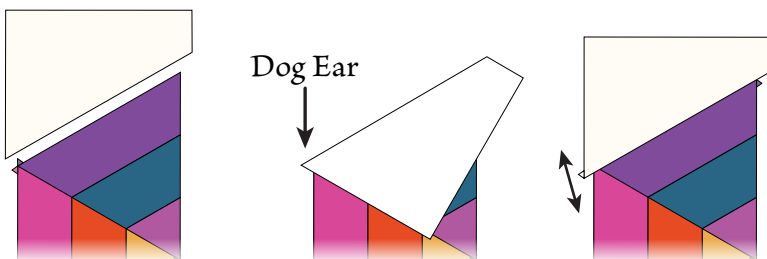
Quilt Assembly and Finishing

Step 12 - Lay out the light and medium pairs and the unsewn pairs of dark triangles into vertical rows as shown for your desired size as shown on page 5.

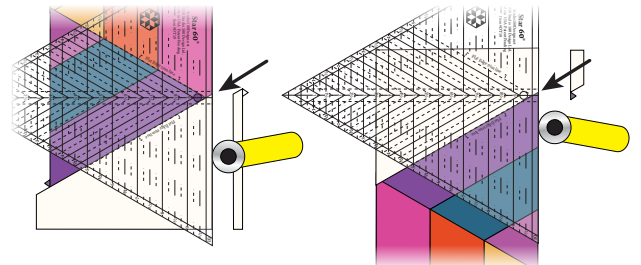
Step 13 - Stitch the units together into vertical rows using a ¼" seam. Press the seams open.

Step 14 - Add the half triangles to the ends of each row to complete it. Position the row and triangle as shown. When the triangle is oriented currently, flip the triangle over so that it is right sides together with the row. Align the long edge of the half triangle so the side of the triangle creates a dog ear that sticks out a little more than ¼" beyond the edge of the row. Stitch with a ¼" seam, and press the seam open. Repeat for the other end of the row. Repeat for all rows.

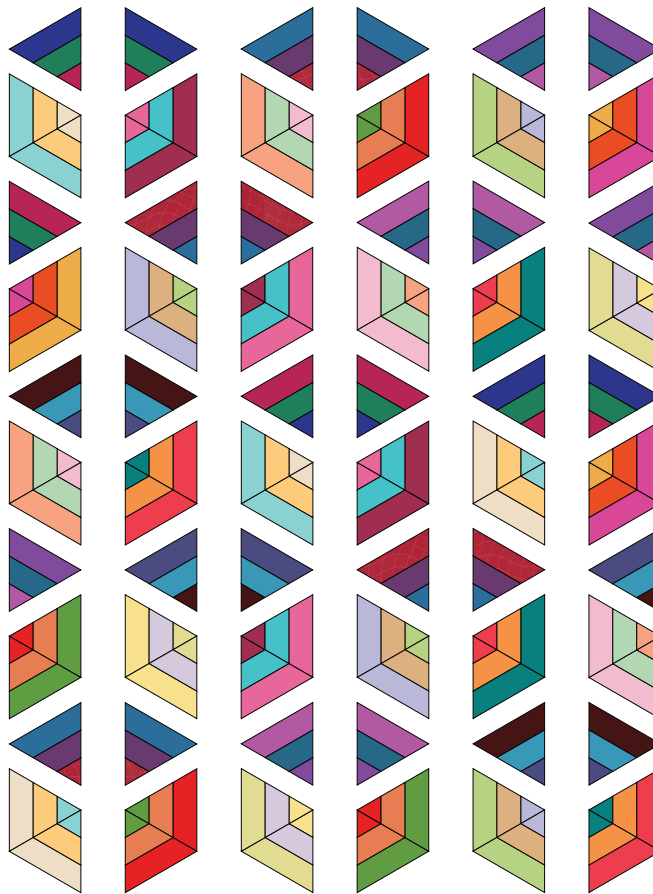
Step 15 - Trim the triangles you just added even with the sides of the row. Repeat for all rows.



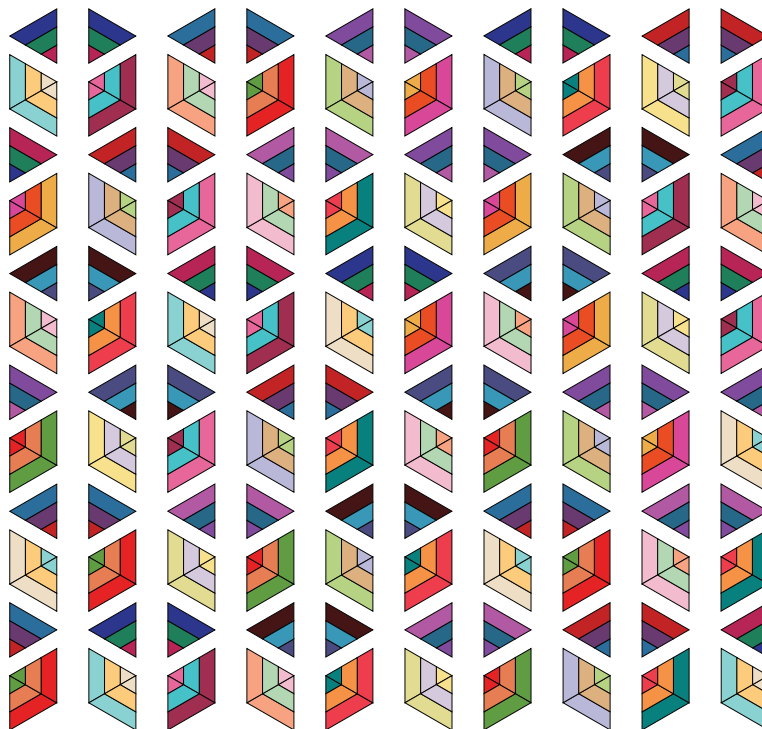
Step 14 - Stitch and Press



Step 15 - Trim



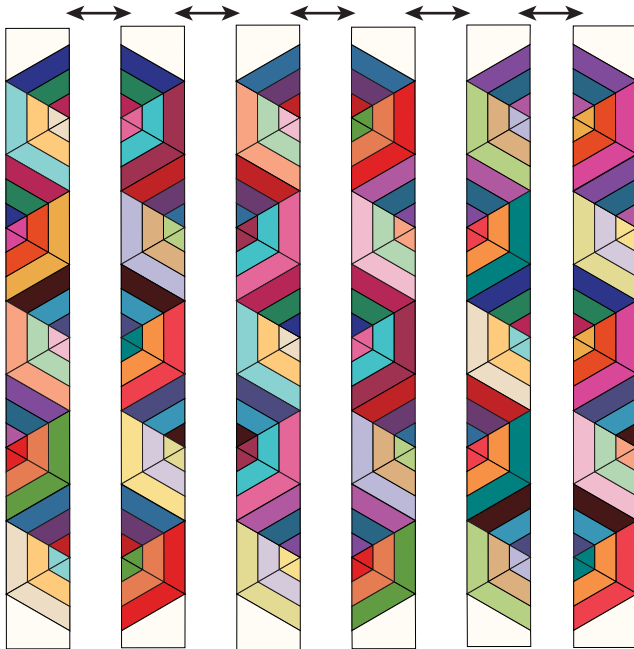
Crib/Toddler Layout



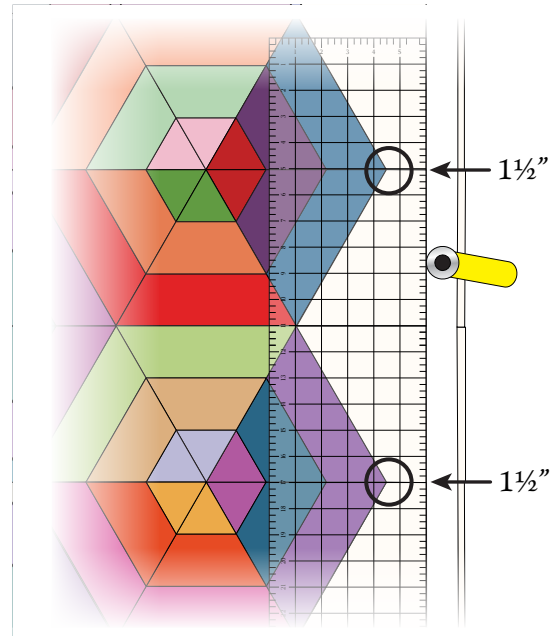
Throw Layout

Step 16 - Stitch the vertical rows together using a $\frac{1}{4}$ " seam. Match and pin intersections. Press the seams open.

Step 17 - Trim along the top and bottom of the quilt where the half triangles are. Using a long ruler, align the $1\frac{1}{2}$ " line with the outer points of the hexagons. Cut along the edge of the ruler for 12 to 18 inches, then move the quilt and reposition the ruler so that you can trim the next section. Repeat to trim the entire top and bottom.



Step 16 - Stitch and Press

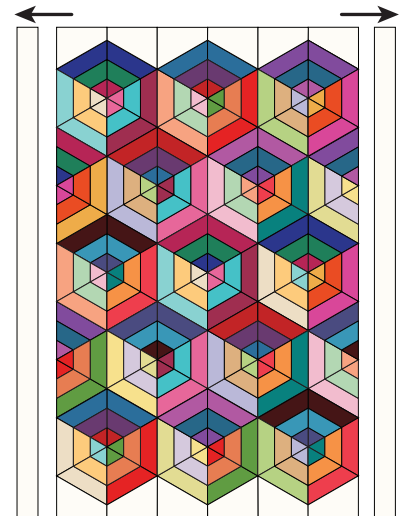


Step 17 - Trim

Note: We recommend that you wait to cut your side borders to length until you can measure your quilt top. To determine your specific border length, measure the long side of your quilt in three different places. If those measurements are different add the three measurements together and divide by three. Cut your borders that length.

Step 18 - Attach the side borders. Stitch the 3" background strips to each long side, and press toward the border.

Step 19 - Finish with batting, backing, quilting, and binding! Layer quilt top with batting and backing. Baste and quilt. Bind and enjoy your beautiful quilt!



Step 18 - Stitch and Press

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Studio180Design.net