

# Geo Magic II

## Circular Logic



Fabric and **Circular Logic** quilt designed by Bethany Reynolds for Blank Quilting  
Approximate Finished Size is 88" x 88"



TM

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## Stack-n-Whack® GeoMagic II Collection and Circular Logic quilt designed by Bethany Reynolds for Blank Quilting

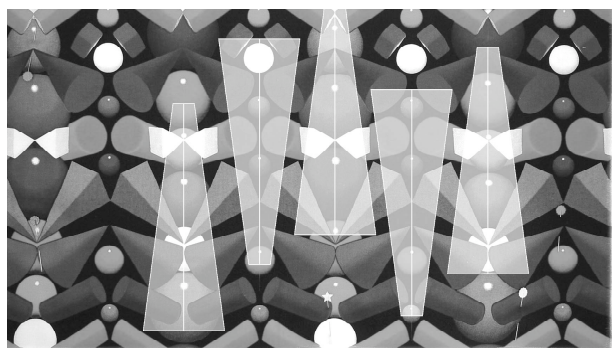
All seam allowances are 1/4". Please read all directions before beginning and press carefully.  
Border measurements are approximate, always measure your quilt top before cutting border lengths.

### Yardage Requirements:

Main Fabric: BTR-4197-Black-symmetrical stripe, 4-1/4 yds.  
Background: BTR-4194-Black-grid print, 4-1/4 yds.  
Red sashing: BTR-4196-Red-texture print, 3/4 yd.  
Purple Sashing: BTR-4196-Purple-texture print, 3/4 yd.  
Narrow Border and Binding: BTR-4193-Warm-small spheres, 1-1/8 yd.  
Border and appliqué: BTR-4192-Black-large allover print, 2-5/8 yds.  
Backing: 5-1/2 yds.  
Other supplies: template material or Stack-n-Whack® 15\* Fan Ruler; five 3" squares of paper-backed fusing web; 90" x 90" batting.

### Making the Stack and Cutting the Wedges:

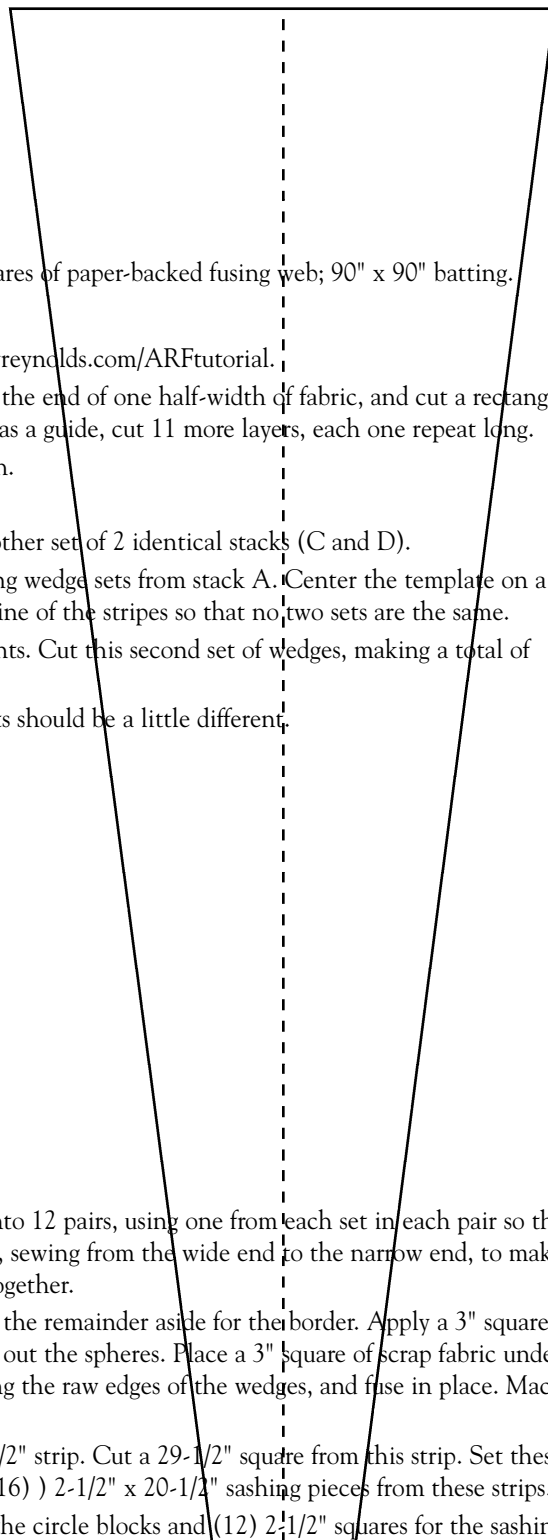
For more information on cutting for Stack-n-Whack® designs, visit [www.bethanyreynolds.com/ARFtutorial](http://www.bethanyreynolds.com/ARFtutorial).  
Tear or cut the symmetrical stripe print up the center on the foldline. Straighten the end of one half-width of fabric, and cut a rectangle that is the length of one repeat (approx. 12" for this print). Using this first piece as a guide, cut 11 more layers, each one repeat long. Press the 12 layers and make two identical stacks (A and B), with 6 layers in each.  
Pin each stack, aligning the motifs on each layer.  
Repeat with the remaining half-width of fabric, cutting 12 layers and making another set of 2 identical stacks (C and D).  
Using the wedge template or the Stack-n-Whack® 15\* Fan Ruler\*, cut (5) 8" long wedge sets from stack A. Center the template on a symmetrical stripe each time. Vary the position of the template along the centerline of the stripes so that no two sets are the same.  
Take the top layer from each wedge set and place it on stack B, matching the prints. Cut this second set of wedges, making a total of 12 identical wedges for each wedge set.  
Repeat with stacks C and D, making 5 more wedge sets. Each of the 10 wedge sets should be a little different.



Cutting Wedges

### Making the Blocks:

Use 1/4" seams. Piece 5 blocks.  
For each circle, use two different sets of 12 identical wedges. Piece the two sets into 12 pairs, using one from each set in each pair so the sets will alternate. Sew from the narrow end to the wide end. Piece the pairs together, sewing from the wide end to the narrow end, to make two half-circles with 6 pairs in each half. Press the seams open. Sew the half-circles together.  
From the large allover print 4192, cut or tear off a 12" x 72" lengthwise strip. Set the remainder aside for the border. Apply a 3" square of fusing web to the back of 5 blue spheres on the 12" strip of the allover print. Cut out the spheres. Place a 3" square of scrap fabric under the opening in each pieced circle. Center a blue sphere over the open center, covering the raw edges of the wedges, and fuse in place. Machine appliqué, using your favorite appliqué stitch.  
From grid print, cut (2) 25" strips. Cut a 25" square from each strip. Cut (1) 29-1/2" strip. Cut a 29-1/2" square from this strip. Set these three squares aside for setting triangles. Trim the strips down to 20-1/2" long, and cut (16) 2-1/2" x 20-1/2" sashing pieces from these strips.  
Cut (3) 20-1/2" strips from the remaining grid print. Cut (5) 20-1/2" squares for the circle blocks and (12) 2-1/2" squares for the sashing cornerstones from these strips.  
Using a long machine stitch, baste around the outside edge of each large circle, a scant 1/4" from the edge. Draw up the top thread tails to gently ease a 3/8" seam allowance to the back side of the circle. Press. Center a circle on each large square and pin in place. Appliqué the circles in place. Trim away the background fabric behind the circle, if desired.



## Sashing and Quilt Assembly:

For the narrow sashing, cut a 20-1/2" strip from both red and purple prints. Cut (21) 1-1/2" x 20-1/2" strips of each color. Set aside (16) strips of each color for sashing. From the remaining strips, cut (24) 1-1/2" x 3-1/2" strips of each color for cornerstones.

Piece 16 sashing units, as shown.

Piece 12 cornerstone units. For each unit, begin with a 2-1/2" square of the grid print. Add a 1-1/2" x 3-1/2" strip of red to one side as shown (FIG.1), lining up the bottom edges and leaving the top 1" of the seam open. Open up the red strip and turn the unit so that the red is at the top. Add a second red strip. (FIG.2)

Add a purple strip to the third side. (FIG.3)

Add a purple strip to the fourth side, folding the red strip out of the way at the bottom of the seam. (FIG.4)

Open up the purple strip and complete the seam on the first red strip to finish the unit. (FIG.5)

For side setting triangles, press the 25" squares of grid print in half once on the diagonal. Unfold and sew a scant 1/4" from each side of the fold lines to stabilize the bias. Cut on the fold lines to make 4 side setting triangles.

For the corner setting triangles, press the 29 1/2" square in half twice on the diagonal. Unfold and sew a scant 1/4" from each side of the fold lines.

Cut on the fold lines to make 4 corner setting triangles.

Lay out the blocks, sashing, cornerstones, and setting triangles as shown in the assembly diagram. (FIG.6)

Sew the sashing strips and cornerstones to the blocks. Add the setting triangles to make three large sections. Join the three sections to complete the center of the quilt.

## Border:

From small sphere print 4193, cut (8) 1-1/2" strips across the width. Piece together in 4 pairs. With the quilt top laying on a flat surface, measure the quilt across the center and cut two strips to this length. Pin and sew to the sides of the quilt, taking care to keep the bias-edge triangles from stretching. Measure across the center, including the border strips, and cut the other two strips to this length. Sew to the top and bottom of the quilt.

From the allover print, cut (4) 6-1/2" lengthwise strips. Measure the quilt top from top to bottom edge, and cut 2 strips to this width.

Sew to the sides of the quilt. Measure across the center, including the border strips, and cut the other two strips to this length. Sew to the top and bottom of the quilt.

## Finishing

Cut the backing into two 2 3/4 yd. lengths. Sew them together along the long edges. Layer the quilt top, batting, and backing and quilt as desired. Cut and piece together (9) 2 1/2" strips of small sphere print for binding. Press in half lengthwise to 1 1/4" and bind.

For a light version, use the White colorways of GeoMagic II prints BTR-4192, BTR-4194, BTR-4196, and BTR-4197. For sashing, use BTR-4196 Blue and Green, as shown, or any two BTR-4196 colors. For narrow border and binding, use BTR-4193 Cool or Warm. (Featured on back cover)

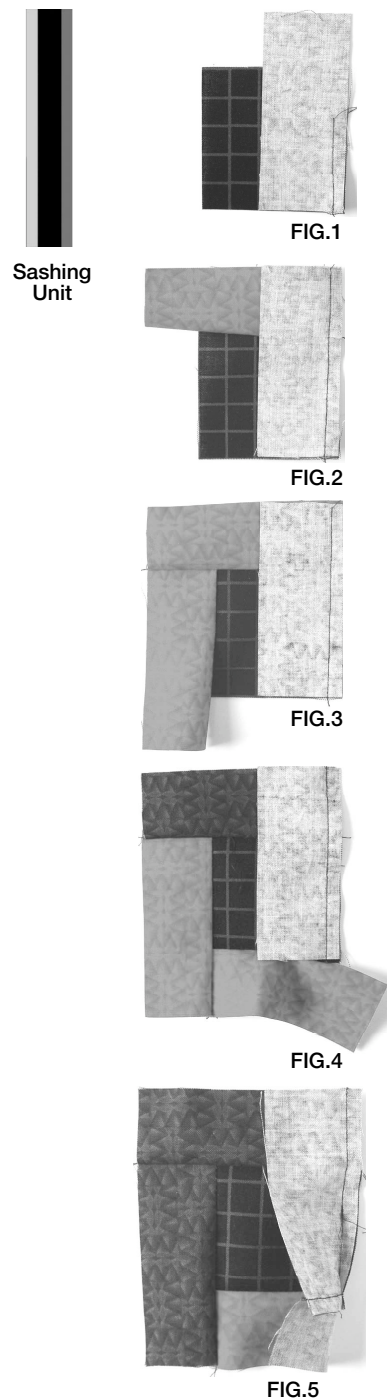
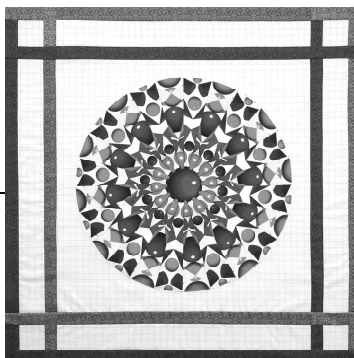


FIG.5

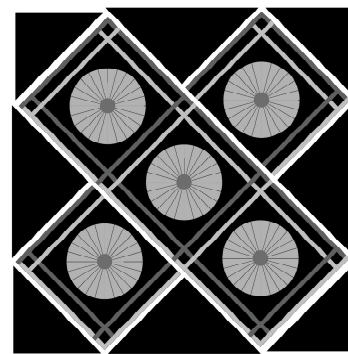


FIG.6

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Block detail of light color version



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