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# NON-SLIP Kites Plus Ruler

Meet the next generation of shapes to join the hexie craze! Cut and sew kites up to a finished size of eight inches – and the top and side triangles required to create a rectangle. These 60° and 120° angles combine with hexies, half hexies, 60° and 120° triangles for limitless design potential!  
**Designed By: Kari Carr**



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## NON-SLIP Kites Plus Ruler

### Cutting

It is highly recommended that the fabrics should be heavily starched. A rotating cutting mat may make cutting easier.

### Basic Kite Shape

Cut strips of fabric the height of the kites you wish to make (2½", 4½", 6½", 8½").

1. Place the kite on the right edge of the fabric strip. Line up the coordinating Base Line (BL) with the bottom edge of the strip - in this case, 6½". The point of the 6½" kite will then line up with the top edge of the fabric strip. Cut along the right side of the template. Fig. 1

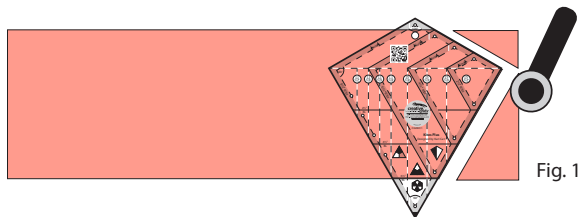


Fig. 1

2. Flip the fabric over. Match the cut edge of the fabric with the left side of the desired kite size - in this case 6½". Cut along the right side to create the kite shape. Fig. 2

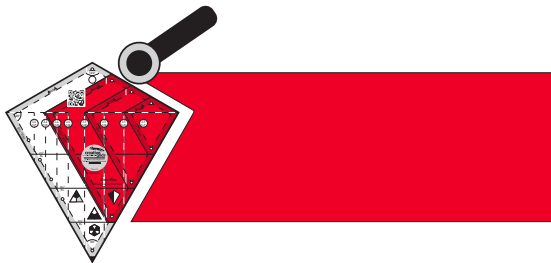


Fig. 2

3. Rotate ruler, line up long edge as shown Base Line (BL) will now be lined up with the top of the strip. Cut away extra fabric on the left side. Fig. 3

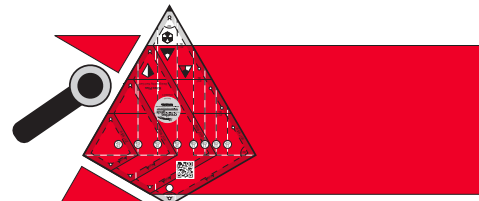


Fig. 3

### Basic Kite Shape (cont.)

4. Flip the fabric over - and rotate the ruler 180°. Match the cut edge of the fabric with the left side of the desired kite size - in this case 6½". Cut along the right side to create the kite shape. Repeat steps 3 and 4 until the desired number of kite shapes are cut. Fig. 4

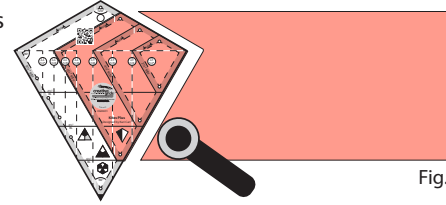


Fig. 4

### Side Triangles (ST)

Cut fabric strips the width indicated in the chart to cut the appropriate size kite. **These side triangles are mirror images, so cut both sides of the triangles at once by layering fabrics - wrong sides together.**

1. Square up the left edge of the fabric. Place the ruler on the fabric, lining up the Side Triangle (ST) lines with the left edge of the fabric - in this case 6½" and the Triangle Base line on the top edge of the strip. Cut along the right angled edge. Fig. 5

Side Triangles (ST)			
2 ½" Kite	4 ½" Kite	6 ½" Kite	8 ½" Kite
2 ¾" wide	4 ¼" wide	5 ¾" wide	7 ¼" wide

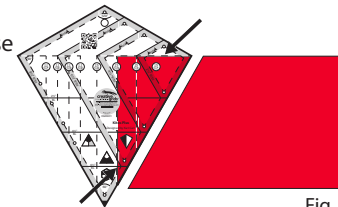


Fig. 5

2. Rotate the ruler so that the 90° corner is at the bottom edge of the fabric strip. Place the side of the ruler next to the point of the triangle just cut. Then, cut the right side to create a second triangle. Repeat the above steps to continue cutting ST. Fig. 6

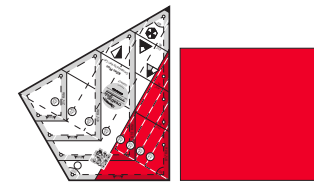


Fig. 6

**Please note:** When cutting the Side Triangles for an 8½" kite, the ruler does not extend the entire length. Simply line up as shown, adding another straight edge to the angle to complete the cut. Fig. 7

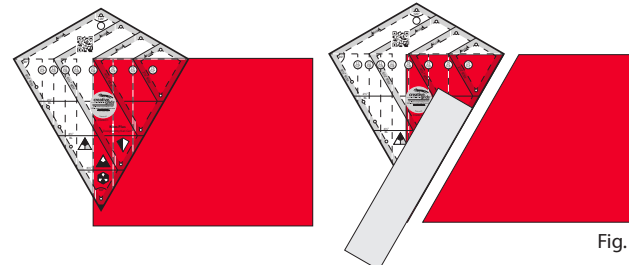


Fig. 7

### Top Triangle (TT)

Cut fabric strips the width indicated in the chart to cut the appropriate size kite. **These side triangles are mirror images, so cut both sides of the triangles at once by layering fabrics - wrong sides together.**

1. Square up the left edge of the fabric. Place the ruler on the fabric, lining up the Top Triangle (TT) lines with the left edge of the fabric - in this case, 6½" and the Triangle Base line on the bottom edge of the strip. Cut along the right angled edge. Fig. 8

Top Triangles (TT)			
2 ½" Kite	4 ½" Kite	6 ½" Kite	8 ½" Kite
2 ¼" wide	3" wide	4" wide	4 ¾" wide

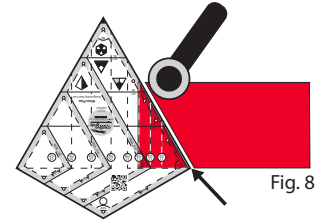


Fig. 8

2. Rotate the ruler so that the 90° corner is at the top edge of the fabric strip. Place the side of the ruler next to the point of the triangle just cut. Then, cut the right side to create a second triangle. Repeat the above steps to continue cutting TT. Fig. 9

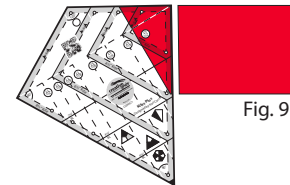


Fig. 9

### Kite in a Rectangle

All seam allowances are ¼". Shorten stitch length. Pieces needed: Kite, right and left Side Triangles (ST), right and left Top Triangles (TT).

1. Mark the seam allowances through the holes for each piece indicated. Fig. 10

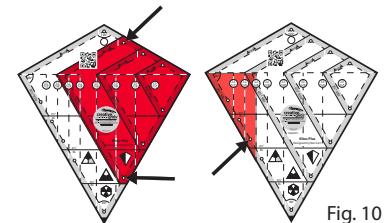


Fig. 10

2. With right sides together, place a left ST on the kite, aligning the two edges as illustrated. Press seam toward ST. Fig. 11

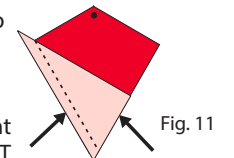


Fig. 11

3. In the same manner, stitch the right ST to the kite. Press seam toward ST. Fig. 12

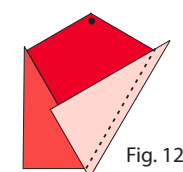
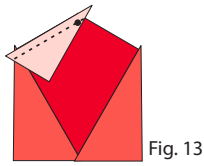


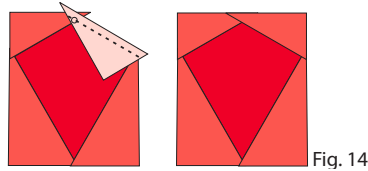
Fig. 12

## Kite in a Rectangle (cont.)

4. Stitch the left TT to the top of the kite, matching markings as shown. Press seam toward TT. Fig. 13



5. Repeat with the right TT. Fig. 14

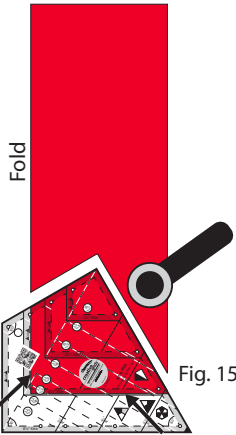


## One-piece Base Unit

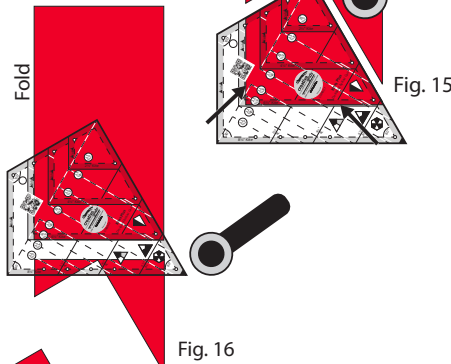
Eliminate a seam when choosing to have one-color for a two-color triangle by cutting the base on the fold. Using the chart, cut strips of fabric. Press these strips in half lengthwise.

2 1/2" Kite	4 1/2" Kite	6 1/2" Kite	8 1/2" Kite
4 1/4" wide	8" wide	11 1/4" wide	14 3/4" wide

1. Place long left edge of the kite along the bottom of the folded strip. Place the indicated dashed fold line on the fold of the fabric strip - in this case 6 1/2". Cut. Fig. 15



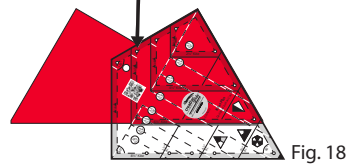
2. Use the ruler to square-up the base and continue cutting. Fig. 16 & 17



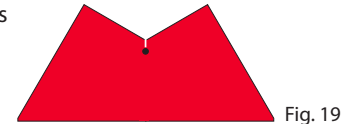
## Two-color Triangle: Y Seams

All seam allowances are 1/4". Shorten stitch length.

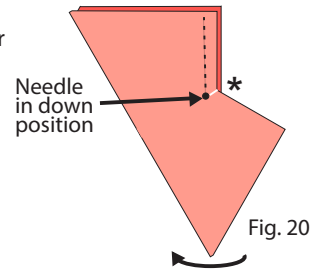
1. With one-color base unit laying flat, mark the seam allowance through the hole as indicated. Fig. 18



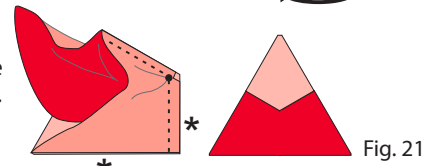
2. Clip the seam allowance a few threads away from the mark for ease in pivoting fabric. Fig. 19



3. With right sides together, stitch, place the kite under the Kite base as shown. Stitch along the edge, stopping with the needle down at the mark by the cut.\* Carefully rotate the bottom kite counter-clockwise until the top edge is vertical. Fig. 20



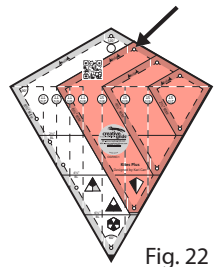
4. At the same time, rotate the base clockwise. Match the two sides\* and continue sewing to the edge of the fabric. Make sure that the bulk of the base is not in the seam allowance. Fig. 21



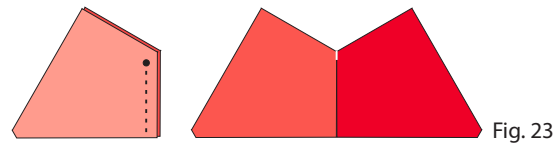
## Tri-color Triangle: Y Seams

All seam allowances are 1/4". Shorten stitch length.

1. Mark the seam allowance at the top of the kites through the hole - in this case, at the 6 1/2" Kite top. Fig. 22

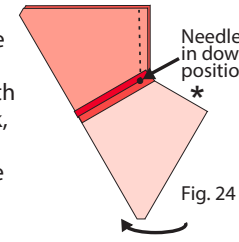


2. With right sides together, stitch from the mark down to the edge of the fabric. Press the seam open. Fig. 23

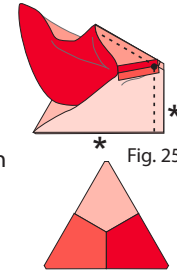


## Tri-color Triangle: Y Seams (cont.)

3. With right sides together, place the third kite under the kite base as shown. Stitch along the edge, stopping with the needle down at the mark, which is also the seam of the base. Carefully rotate the kite base clockwise until the top edge is vertical.\* Fig. 24



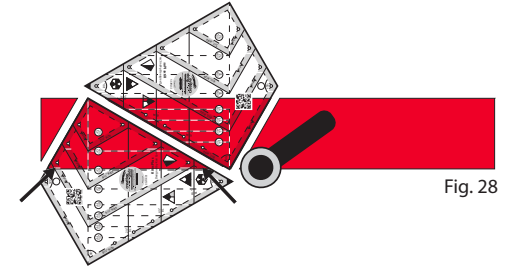
4. At the same time, rotate the kite counter-clockwise. Match the two sides\* and continue sewing to the edge of fabric. Make sure that the bulk of the base is not in the seam allowance. Fig. 25



## Half Kite Shape

If only a half kite is desired, cut a fabric strip according to the previous chart.

Place the white solid lines that are to the left of the center holes along the bottom edge of the strip of fabric - in this case, 6 1/2". Cut. Rotate the ruler 180°, aligning same lines with top of the fabric. Cut. Repeat the rotation of the ruler. Fig. 28



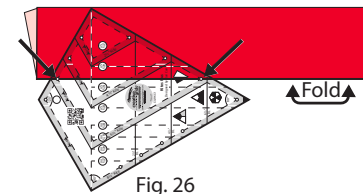
Tip: Cut both sides of the kites at once by layering fabrics, wrong sides together.

## Two-tone Kite Shape

Cut strips using the chart from two different fabrics.

1. With right sides together, stitch the two fabrics together on the long edge. Press the seam open. Fold the strip in half, wrong sides together. Fig. 26

2 1/2" Kite	4 1/2" Kite	6 1/2" Kite	8 1/2" Kite
1 1/2" wide	2 1/2" wide	3 1/4" wide	4 1/4" wide



2. Place the template so that the holes at the top and bottom of the kite are on the seam line of the fabric - 6 1/2" in this case. Trim along two sides. Fig. 27

