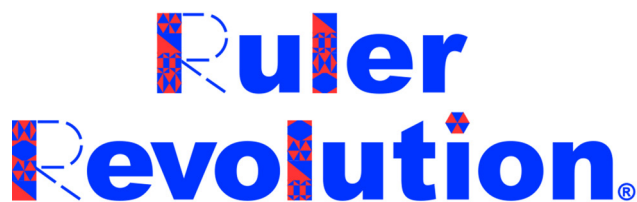


Leaf Stem Ruler



"Where Speed and Accuracy Meet"

Remove the Paper Backing

The ruler comes with a brown paper backing. To remove, lay the ruler on a flat surface. Gently peel away the brown paper while firmly holding the ruler flat on a level surface to prevent breaking the ruler. DO NOT carry, pick up, or support the ruler at the corner -- always use the middle. In the event you break the ruler, it can be easily glued back together with cyanoacrylate glue (e.g. Super Glue or Instant Glue brands).

Tip

Leaf stem blocks can be made in over 1100 different block-stem size combinations using the ruler. Enjoy!

Spray starching will help stabilize the fabric, minimize loose threads along seam edges, and assist in obtaining clean, crisp cuts and sew lines throughout the piecing process. An accurate $\frac{1}{4}$ " seam allowance is essential for all quilt piecing.

Determine the Width of the Strip Set

For speed and accuracy with the Ruler Revolution Leaf Stem ruler, you will strip piece the coordinating fabrics for your block so that multiple units can be cut from the strip set.

The size of your leaf stem block is, of course, determined by your pattern or design -- common block-leaf stem sizes can be found in Table 1. Refer to Table 1 for the correct width dimension of the strips depending upon the size of your **un-sewn** leaf-stem block.

For example, if you are going to make a $4\frac{1}{2}$ " **un-sewn** leaf stem block with a $\frac{3}{4}$ " stem as shown in Diagram A, you would find in Table 1 the "outside" strip width to cut would be $3\frac{1}{2}$ " wide and the "inside diagonal" strip width to cut would be $1\frac{1}{4}$ ".

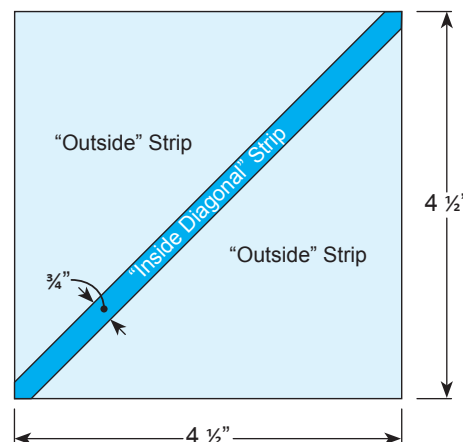


Diagram A

Create the Strip Set

1. Cut at least **three** "outside" strips at the appropriate width as determined above. For ease of handling, the maximum length of the strip should be from selvage edge to selvage edge of the fabric.
2. Cut at least **two** "inside diagonal" strips at the width determined from the table.
3. If desired, more "outside" strips and "inside diagonal" strips may be added to make even more blocks. Other than ease of handling, there is no limit to the number of strips that may be sewn together.
4. Sew the strips together as shown in Diagram B with a $\frac{1}{4}$ " seam allowance and press the seams toward the narrow "inside diagonal" strips.

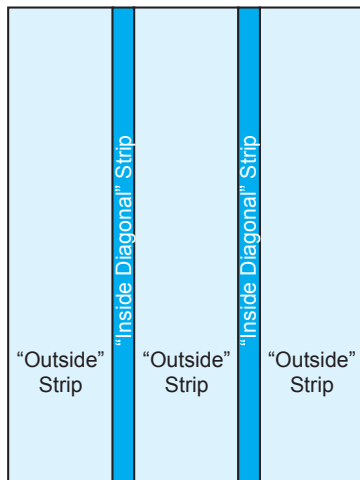


Diagram B

Common Leaf Stem Sizes		Fabric Width to Cut for Strip Set	
Un-sewn Block Size	Finished Width of Diagonal Strip	"Outside" Strip	"Inside Diagonal" Strip
2 1/2	1/4	2 1/4	3/4
3	3/8	2 1/2	7/8
3 1/2	1/2	2 3/4	1
4	5/8	3 1/4	1 1/8
4 1/2	3/4	3 1/2	1 1/4
5	7/8	3 3/4	1 3/8
5 1/2	1	4	1 1/2
6	1 1/8	4 1/4	1 5/8

Table 1

Tip

For any other block-stem size combination desired, go to www.rulerrevolution.com to use the Leaf Stem Calculator

to determine the width of the strips needed.

Cut the Blocks from the Strip Set

1. Position the Leaf Stem ruler on the bottom right side of the strip set as shown in Diagram C.
2. Center the ruler over the "inside diagonal" strip using the dimensions marked on the ruler that correspond to the width of your "inside diagonal" strip -- $\frac{3}{4}$ " in the example shown in Diagram C.

Note: To assist in lining up the diagonal line on the ruler with the "inside diagonal" strip of the fabric, place a piece of tape (e.g. blue painters tape) on the ruler along each side of the diagonal line dimensions you are using on the ruler. Also, place a piece of tape at the dimension mark on the ruler for the block size you are cutting -- $4\frac{1}{2}$ " in the example shown in Diagram C. The tape is not required to use the ruler. However, it is a convenient visual reminder of the dimensions you are using on the ruler for your block.

3. With a rotary cutter, cut the bottom left (Cut 1) and bottom right (Cut 2) sides of the block from the point of the ruler up to the dimension for your block, using the ruler as your guide. Do not cut past the dimension for your block. See Diagram C.
4. Without disturbing the cut fabric, turn the ruler around and line up the block dimension on the edge of the ruler AND the diagonal line dimension on the ruler with the "inside diagonal" strip of the fabric as shown in Diagram D.
5. Once the ruler is properly aligned, rotary cut the top right (Cut 3) and top left (Cut 4) of the block using the Leaf Stem ruler as your guide. Do not cut past the dimensions for your block. You now have a completed block for your project.
6. To continue making additional blocks, rotate and slide the Leaf Stem ruler over to the left side of the fabric as shown in Diagram D.
7. Once again, center the ruler over the "inside diagonal" strip using the dimensions on the ruler or reference the tape you have applied.
8. Line-up the right side of the ruler with the previous cut line from the block just cut from the fabric.
9. Repeat step #3 and cut the bottom left and bottom right sides of the block from the fabric.
10. Repeat step #4 and step #5 to cut another block from your strip set of fabric.
11. Continue cutting out your blocks alternating from the right side of the strip set to the left side.

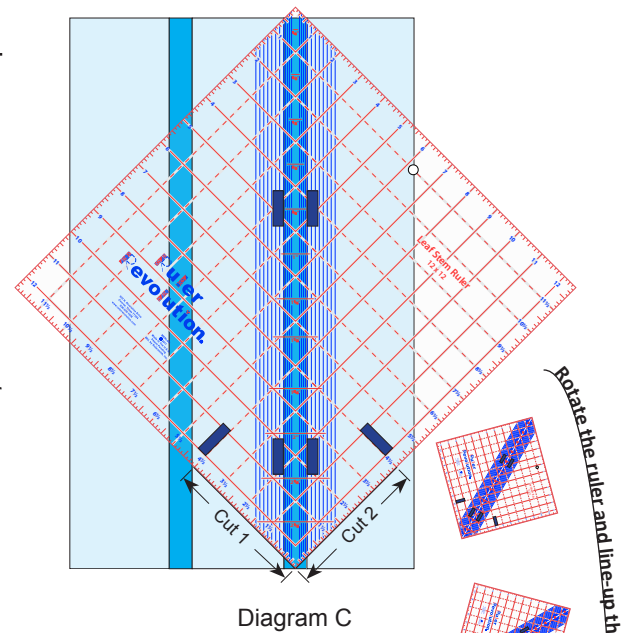


Diagram C

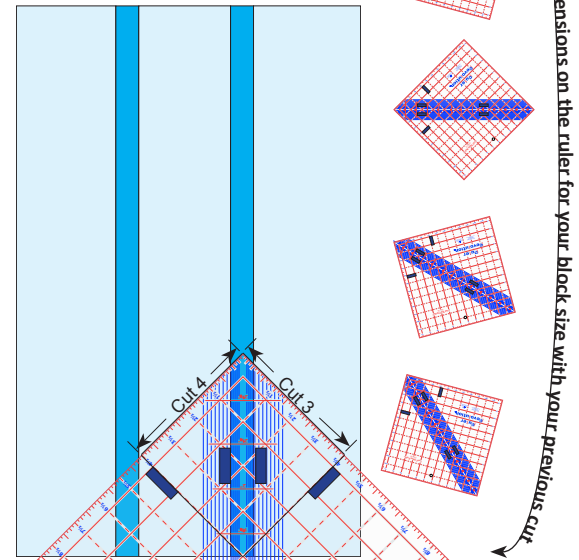


Diagram E

Diagram D

Tip

Add additional "inside diagonal" strips and "outside" strips to

the strip set to make additional leaf stem blocks. Alternate the ruler from one "inside diagonal" strip to the next as you cut blocks from the fabric strip set.

Tip

Watch the videos at www.rulerrevolution.com.