



REPEAT AND REVERSE REPEAT 9° DROP SHIFT SPIRAL

by Marilyn Doheny

18 INCH MINIATURE RULER
(2) 36" Spiral Circles

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This specific project uses the 18 inch Circle Wedge Ruler.

A 9° Circle Wedge Ruler is required to cut the wedges for this spiral pattern. It comes in various sizes: the Original 25", an Extension Wedge that can be used either by itself or in conjunction with the 25", and three "Mini" Wedges, 18", 14" and 9". For ordering information, contact Doheny Publications at the address above.

- Select an assortment of 9 to 20 fabrics that please you ($\frac{1}{4}$ to $\frac{3}{4}$ each).
NOTE: Have contrast by values, assorted print scales, and several compatible but diverse colors. Note: Include one or two "zingers" that are very contrasting by color or value to the rest of the assortment.
- To plan the fabric flow and assorted cut widths, lay the fabrics one on top of the other, overlapping each other and yet exposing from $\frac{1}{2}$ " up to $6\frac{1}{2}$ " of each fabric as desired.
NOTE: Have the wider widths of fabric (4 " – $6\frac{1}{2}$ "") be the first and last (top and bottom) in the arrangement. Have the smaller fabric widths ($\frac{1}{2}$ " – $3\frac{1}{2}$ "") be anywhere except the first and last fabric position.
- Have the total height of the sewn strata unit be at least $29\frac{1}{2}$ " tall. Adjust the overlap as necessary to accomplish this $29\frac{1}{2}$ " total height.
Note: The amount of "exposed" fabric represents the *finished* size of the fabric, not the *cut* size of the fabric strip.
- Now take individual measurements of each fabric and add $\frac{1}{2}$ ". You can number the fabrics and place small swatches of cloth next to each number.
- Cut four strips of each fabric at the "cut" size ($\frac{1}{2}$ " larger than the exposed size).
- Sew four identical strata units using the fabrics in the order designed. (Figure 2)
- Iron all seams down. Eliminate all accordion pleating, use steam.
- Begin to cut wedges from the upper left corner of the first strata unit. Start the first wedge at the top edge of the strata and 4 " *inward* from the side. (Figure 3)
NOTE: The wide end of the ruler is up and the small end is down for all cuts.
- Drop each successive wedge approximately $1\frac{1}{2}$ " and get 10 wedges per strata. Keep the wedges organized in the order they were cut.
NOTE: The first cut has the wide end at the topmost edge of the first strip in the strata unit (upper left corner) and the last wedge cut must have the small end of the ruler at the bottom edge of the last strip in the strata unit.
- Sew the wedges from the first strata unit together in the order they were cut. (Figure 1)
- Assemble the wedges as in Figure 4 for a "Reverse-Repeat" circle.
- Assemble the wedges as in Figure 5 for a "Repeat" circle.
- For the second set of spiral wedges, sew the leftover "x" edge to the leftover "y" edge. Cut with the ruler small end up.

Figure 1

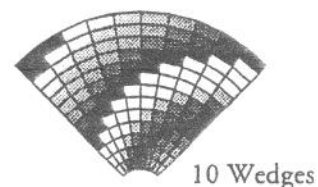


Figure 2

Sewn	Cut size
4"	$4\frac{1}{2}$ "
2"	$2\frac{1}{2}$ "
$\frac{1}{2}$ "	1"
5"	$5\frac{1}{2}$ "
1"	$1\frac{1}{2}$ "
$\frac{1}{2}$ "	1"
3"	$3\frac{1}{2}$ "
2"	$2\frac{1}{2}$ "
1"	$1\frac{1}{2}$ "
$\frac{1}{2}$ "	1"
4"	$4\frac{1}{2}$ "
$\frac{1}{2}$ "	1"
1"	$1\frac{1}{2}$ "
4"	$4\frac{1}{2}$ "

29½"

Figure 3

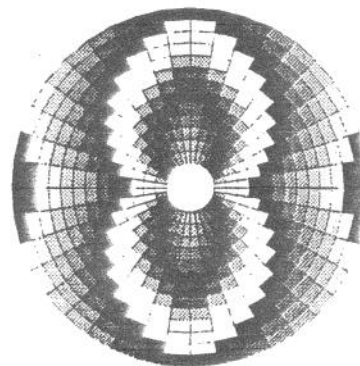
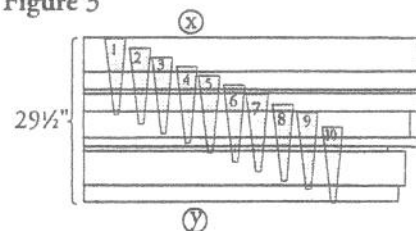


Figure 4
Reverse Repeat

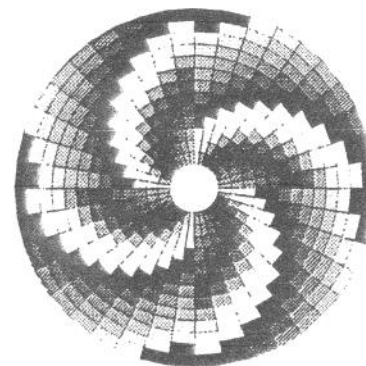


Figure 5
Repeat

D55 repeat 18" PM 5/94

Hello from the inventor/designer...Marilyn Doheny,

Thank you for desiring my pattern and technique for creating spirals “the easy way” – with no seams to match!

This technique can be used with any of my 9 degree circle wedge rulers....the free pattern provided is for the 18” ruler specifically. There are actually five (5) ruler sizes available for purchase and use – each makes numerous designs in the size of the ruler.

The “free” spiral design using this technique is not on the instructions board that comes with the purchase of each ruler.

The exact instructions for spirals using this technique, different slightly with each ruler size.

Since the fabric use and the wedge yields are different for each ruler size...if you want to use a different length of ruler, than the 18” ruler. Then please contact us further for the specific ruler you have or want to use....we will gladly provide the changed information to accommodate the ruler you are using. Adjustment to 25” ruler attached.

What will vary is the strata height, the number of strata to make and the wedge yield... What will also vary greatly is the repeat and reverse repeat patterns...amazing details and complexity and yet no seams t match.

View [Marilyn's retreats on line](#) to see her schedule of retreats featuring these amazing tools.

Also, view our online products featuring many other fabulous contemporary quilting books and patterns at www.dohenypublications.com

I'd love to see what you create with my tools and books...!

Sincerely,

A handwritten signature in cursive script that reads "Marilyn Doheny". The signature is written in black ink and is positioned below the typed name "Marilyn Doheny".