

Alchemists Crystals

GENERAL INFORMATION

Alchemists Crystals was designed by Judy and Bradley Niemeyer. It includes six sections referred to as Groups J, K, L, B, C, and D, and these group sizes have been standardized so that you can use interchangeable blocks in each space.

If you want to experiment and mix and match the pieces included here with those from other designs, Quiltster is the perfect tool for you to make a quilt completely your own. Likewise, you can use many of the groups in this pattern to make other layouts as well. Explore each of these layouts to learn new ways to incorporate these blocks into future projects using the Quiltster Tool!

Newsprint: The foundation papers, templates, and template layout sheets are printed on newsprint. Newsprint is lightweight and tears away from your stitches without damaging the threads. This pattern has been packaged with enough papers to complete one 99" x 99" quilt. Use the list below to sort and verify that your pattern was packaged with the correct papers. The NP-# (or TP-#) is printed along the edge of each page.

JNQ00268P17	(1) TP 580
JNQ00268-J-005	JNQ00242-C-001
Wind Spinner Round 1	Chevron Fence Border
(1) NP 747	(4) NP 613
(1) NP 748	(1) TP 420
JNQ00268-K-006 Daggered Top	(1) TP 421
(1) NP 863	JNQ00242-D-005
(1) NP 864	Flying Geese Queen
JNQ00268-L-004	(4) NP 620
Pinecone Round 3	(2) NP 621
(2) NP 769	(1) TP 432
(1) TP 559	(1) TP 433
JNQ00268-B-001	(1) TP 434
57" Striped Border	Quilt Assembly
(2) NP 785	(1) LP 81
(4) NP 786	
(1) TP 579	Strip Temp Insert

Corrections: If corrections are needed, you can find them by going to www.quiltworx.com, and navigating to *Products > Corrections*, then scrolling down to *Alchemists Crystals*. Or, visit the pattern page under *Products > Patterns > Alchemists Crystals* and look for a *Corrections* list in the column on the right side of the page. Scanning the code to the right will take you straight to the website pattern page. Check the pattern version and print date on the back of this pattern. If the corrections are dated before your print date, your pattern is up to date! If there is a different version number referenced, the corrections don't apply to your pattern. If there are no corrections listed, no errors have been identified in your pattern! If you run across something you think may be an error, please let us know and we will either post a correction or clarify the issue for you.



SUPPLY LIST

General Supply List: Steam iron, ironing board, large size cutting board, 6" by 24" ruler, small scissors, rotary cutter, seam ripper, and a sewing machine with a quarter-inch foot.

Paper Piecing Supply List: 12" and 18" *Add-A-Quarter* rulers, Scotch tape, fabric glue stic, washout fabric glue pen, repositionable glue, a fold template, flower pins, large Ziploc bags, curved diamond cutting and trimming ruler, a Purple Thang, size 70 sewing needles, and a high-quality cotton thread. Other handy items used to keep your templates, fabrics, and papers organized are paper clips and binder clips.

NOTE - Taking Workshops: If you are taking a class from one of our Certified Shops or Instructors please use the class handout and supply list that they provide for their classes.

DEFINITION COMMON TOOLS & TERMS

Purple Thang: A small plastic tool used like a stiletto that does not poke through the fabric. I use it to guide the fabric between the presser foot and feed dogs when sewing over several layers of stacked seams.

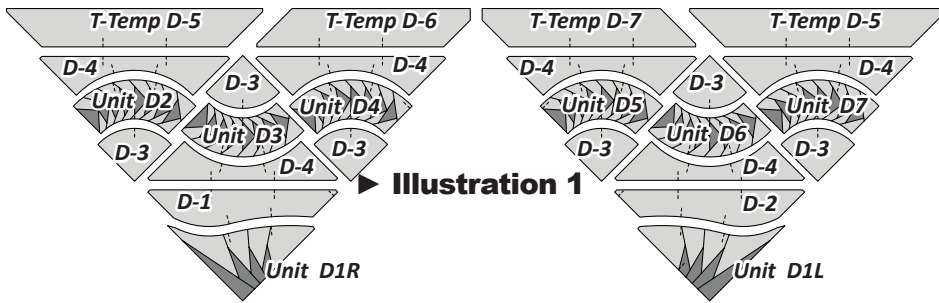
Add-A-Quarter Ruler: A small ruler with a quarter-inch lip on the bottom side used to trim the quarter-inch seams for Foundation Paper piecing. These can be purchased in three (3) sizes: 6", 12", and 18" rulers. I recommend the 12" & 18" rulers for this pattern.

Curved Diamond Cutting and Trimming Ruler: This is a ruler designed by Judy and Bradley Niemeyer as part of the Dinner Plate Dahlia Technique of the Month pattern. If you have already purchased this pattern, you should already have the ruler. If not, you can purchase the ruler through your local quilt shop or Quiltworx.com. The curved edge makes the concave/convex trimming much safer, easier, and more accurate. We highly recommend this tool. While it does not fit every curve exactly, it can be rolled around each curved edge in a manner that will provide you with a very accurate cut.

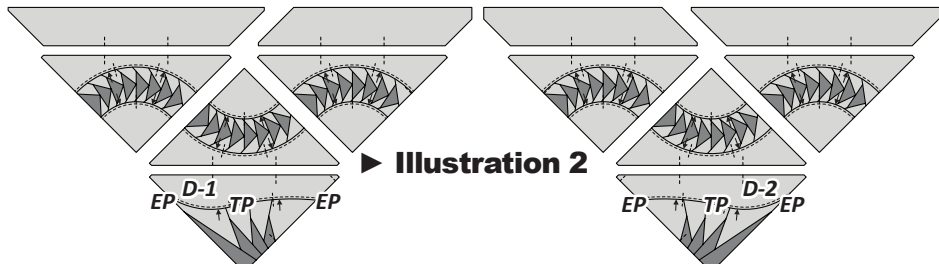
Washout Fabric Glue Stic, Repositionable Glue, and Glue Pen: I use a water soluble glue stic to adhere the first piece of fabric to the backside of the foundation paper. Repositionable glue helps secure templates to fabric during cutting, while still being able to easily move and remove them without leaving a residue. We use the glue pen to temporarily glue the raw edges together before sewing any long straight or curved seams.

Flower Pins: Flower pins are a long pin with a flat flower glued to the head of each pin. The flower is flat so the paper can easily be folded back over the pin and still lay flat.

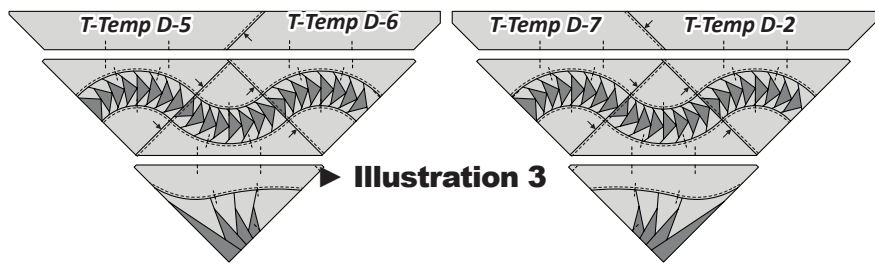
Fold Template: A flat piece of template plastic used as a straight edge while folding back the foundation papers just before trimming with the *Add-A-Quarter* ruler. A 3" by 12" piece of template plastic should be cut to use with the 12" *Add-A-Quarter*. A 3-1/2" by 18" piece is cut for the 18" ruler.



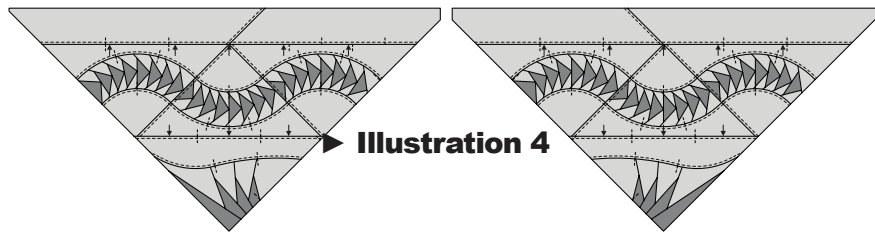
► **Illustration 1**



► **Illustration 2**



► **Illustration 3**



► **Illustration 4**

► **Illustration 3:**

Step 8: The T-Templates and Geese Blocks are joined into rows. The seams for the Geese Units are pressed counter clockwise on the wrong-side of the fabric. The seams for T-Templates D-5, D-6 and D-7 are pressed clockwise on the wrong-side of the fabric.

► **Illustration 4: Final Assembly**

Step 9: The rows are joined to complete the corner units. The inside seams are pressed towards Units D1R & D1L. The outside seams are pressed towards the D-5, D-6, & D-7 border templates.

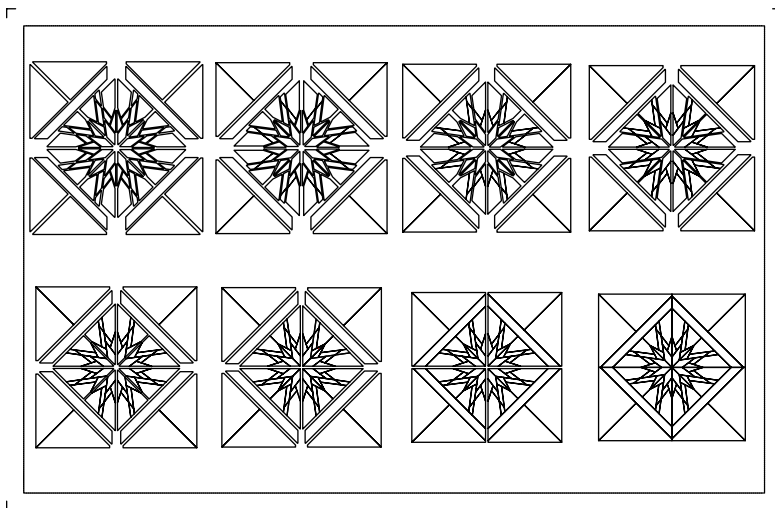
Step 10: The rest of the assembly process happens as part of the General Assembly Instructions in the Introduction Booklet.



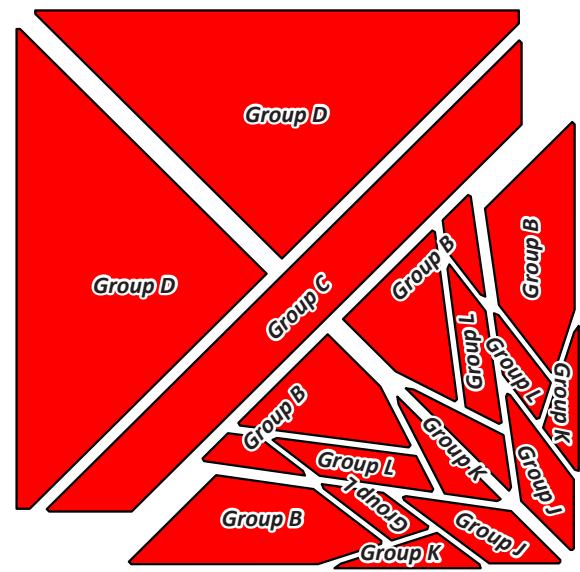
QUILT ASSEMBLY

Remove any remaining foundation paper from all the units at this time. Set your machine to sew a quarter-inch seam allowance. Reference the Layout Newsprint LP 81 for the Assembly Graphics 1 to 8. The graphics on LP 81 are shown assuming you would be looking at the front side of the quilt.

► **(1) LP 81**



Assembly Graphic 1: The pieces in Groups J, K, L, B, C, and D are arranged on a design wall as shown below. Only 1/4 of the quilt is shown, so repeat that in the (4) additional quadrants of the quilt. The graphic at the bottom of Page 38 is also a helpful reference.



Assembly Graphic 2: Join the L Group to the B Group, and join the pieces within the D Group.

- Join L1L to B1L. Press seams toward L1L.
- Join L2L to B2L. Press seams toward B2L.
- Join L2R to B2R. Press seams toward L2R.
- Join L1R to B1R. Press seams toward B1R.
- Join DL to DR. Press seams toward DL.

Assembly Graphic 3: Join the K Group pieces on the horizontal and vertical to the L/B Group and complete the B Group.

- Join B3L to L2L/B2L. Press seams away from B3L.
- Join B3R to L2R/B2R. Press seams toward B3R.
- Join KR on the vertical and horizontal to B1L/L1L. Press seams away from KR.
- Join KL on the vertical and horizontal to B1R/L1R. Press seams toward KL.

Assembly Graphic 4: Finish joining the K Group pieces on the diagonal and add Group J.

- Join (4) Group J to B1L/L1L/KR. Press seams toward Group J.
- Join (4) Group J to L1R/B1R/KL. Press seams away from Group J.
- Join KR on the diagonal to B3R/L2R/B2R. Press seams away from KR.
- Join KL on the diagonal to B3L/L2L/B2L. Press seams toward KL.

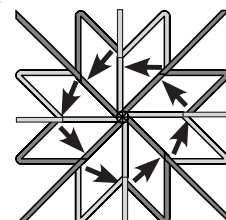
Assembly Graphic 5: Sew the Center Triangle pieces together to complete (8) Wedges. Press the seams in a clockwise direction looking at the front of the quilt.

Assembly Graphic 6: Sew the Center Triangle wedges together into (4) corner wedges. Press the seams in a clockwise direction looking at the front of the quilt.

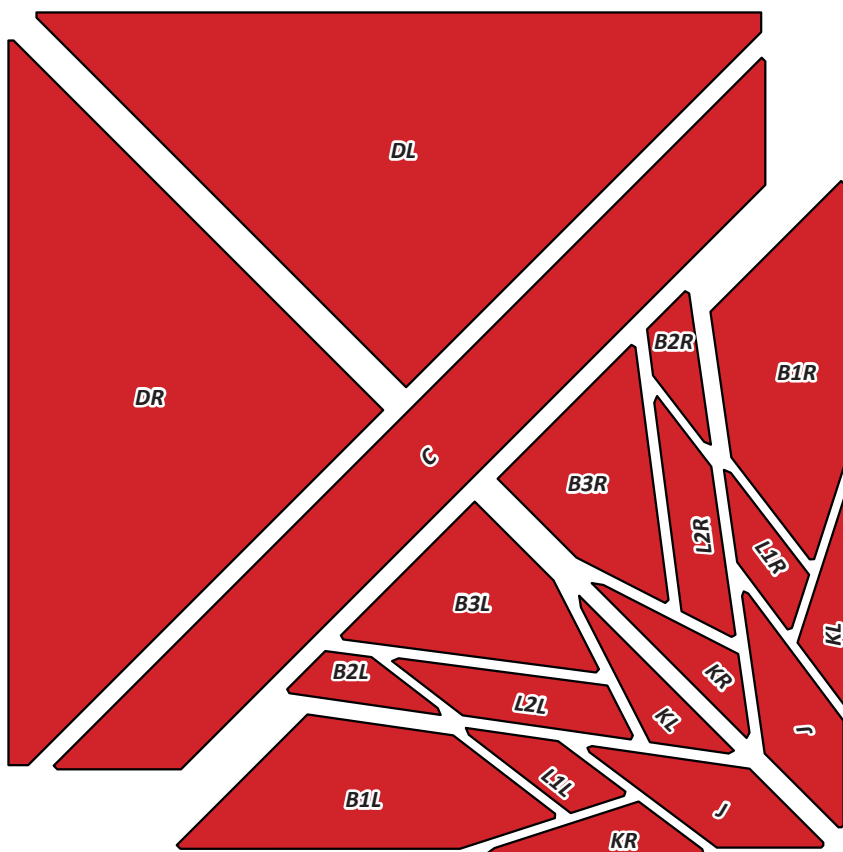
Assembly Graphic 7: Join each C group to each corner wedge. Press seams toward C. Sew the joined D triangles to each C group. Press seams toward D.

Assembly Graphic 8: Sew the final (4) seams together to complete the quilt. Press the seams in a clockwise direction looking at the front of the quilt.

Pressing the Center of the Star: The last four seams are pressed counterclockwise on the back side of the quilt. Before you can press the last four seams you will need to pick back the stitches to meet the last cross seam sewn on each of the eight seams that intersected in the center of your quilt. This allows you to press the seams counterclockwise on the back side of the quilt, which takes the bulk out of the center star. The Tweaking Diagram was built to show the seams on the backside of the quilt pressed counterclockwise (while they are shown clockwise on LP 57, looking at the pressing from the front side of your quilt).



Backing & Batting: You will need (3) 107" lengths (how much excess to leave on each side of the quilt is personal preference, but we aim for 6" to 8" around the perimeter) for the backing of your quilt for a total of 9 yards. Quiltworx.com recommends Hobbs 80/20 (king size) batting on a roll or similar to get a nice, thin, but flexible finish to the quilt.



QUILTING DESIGNS

Quiltworx.com has completed a variety of digitized quilting designs for several of our patterns. We have digitized several designs to fit the blocks in the layout on the cover. You may want to check these out on our website. Find them quickly by scanning the QR Code on the back page in the bottom right corner and looking for related products.

DOUBLE FOLDED BINDING INFORMATION

After the quilt top has been quilted, you can add the binding. Quiltworx.com recommends a 2-1/2" strip, ironed in half, lengthwise, then sewn to the front of the quilt and hand stitched down to the backside. The 99" x 99" layout requires (11) strips, for a total yardage of 27-1/2", or 7/8 yard of fabric.

Alchemists Crystals

99" by 99"

Fabric Reference #	Yd(s)	Fabric SKU
Red (RB1): C2:o-C2:q, D2, D9:a	3/4	PWTH177.INTENSE
Yellow (RB2): C2:m, C2:n, D3, D9:b	5/8	PWTH177.RADIANT
Green (RB3): C2:k, C2:l, D4, D9:c	5/8	PWTH177.ELIXIR
Teal (RB4): C2:i, C2:j, D5, D9:d	5/8	PWTH177.INTRIGUE
LT Blue (RB5): C2:g, C2:h, D9:e	1/2	PWTH177.TRANQUIL
DK Blue (RB6): C2:e, C2:f, D9:f	1/2	PWTH177.DIVINE
Purple (RB7): C2:c, C2:d, D9:g	1/2	PWTH177.OPULENT
Pink (RB8): C2:a, C2:b, D9:h	1/2	PWTH177.ENAMORED
J2, J3, K1, S1, L1, B1	4 1/4	PWTH115.8ONYX
B4, B6, D6, D7	3	PWTH177.SMOLDER
B5, B7, C3, C4, D10, D11	6 1/8	PWTH020.NIGHTFALL
S4, B3	1/2	PWTH030.CHARCOAL
J1, K2, L2, B2, C1, D1, D8	4 5/8	PWTH066.LINEN
Batting	King	Hobbs 80/20 (120" wide)
Binding	7/8	PWTH020.NIGHTFALL
Backing	9	As Desired



**Quiltster
Compatible**

Quiltworx.com has loaded a pattern for *Alchemists Crystals* into Quiltster. This layout can be colored with your own Fabric Swatches to preview your quilt before you make it! Use Quiltster to create your own unique design! To get Quiltster, visit Quiltster.com!

- JNQ00268P17
- JNQ00268-J-005
- Wind Spinner
- Round 1
- (1) NP 747
- (1) NP 748
- JNQ00268-K-006
- Daggered Top
- (1) NP 863
- (1) NP 864
- JNQ00268-L-004
- Pinecone Round 3
- (2) NP 769
- (1) TP 559
- JNQ00268-B-001
- 57" Striped Border
- (2) NP 785
- (4) NP 786
- (1) TP 579
- (1) TP 580
- JNQ00242-C-001
- Chevron Fence
- Border
- (4) NP 613
- (1) TP 420
- (1) TP 421
- JNQ00242-D-005
- Flying Geese Queen
- (4) NP 620
- (2) NP 621
- (1) TP 432
- (1) TP 433
- (1) TP 434
- Quilt Assembly
- (1) LP 81
- Strip Temp Insert

Free Spirit

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