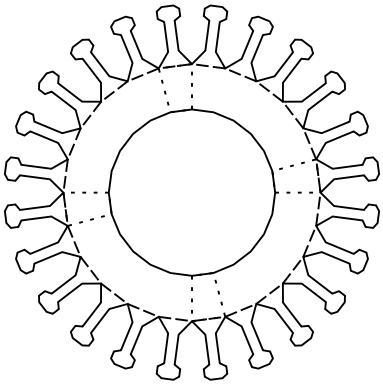
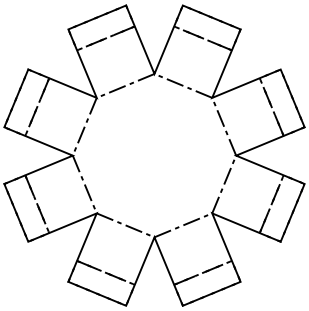
Anemone - rounded petals and dark stamen crown

anemone / 1.0.0 / A4 / Template page 1

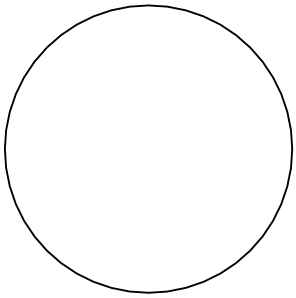
S1 | cut 1
49.49 x 49.49 mm



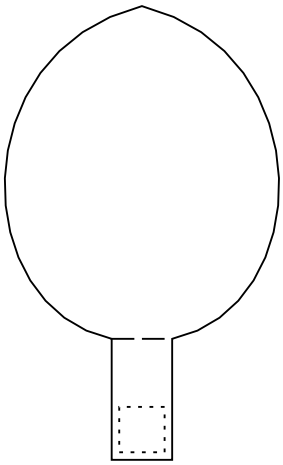
C1 | cut 1
39.71 x 39.71 mm



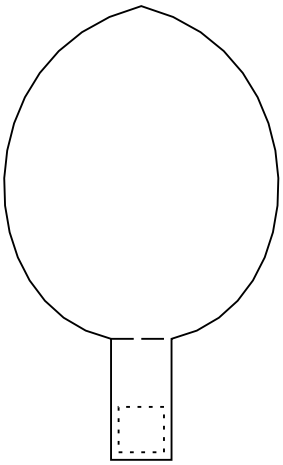
B1 | cut 1
38.00 x 38.00 mm



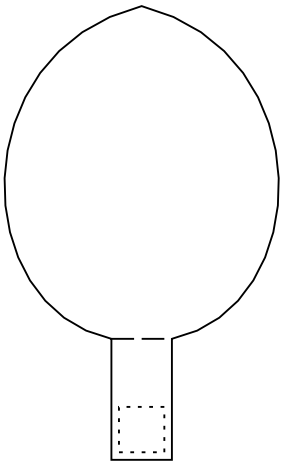
P5 | cut 1
36.25 x 60.00 mm



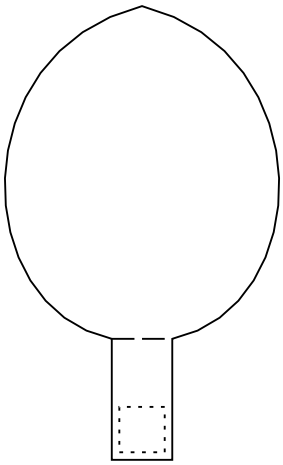
P6 | cut 1
36.25 x 60.00 mm



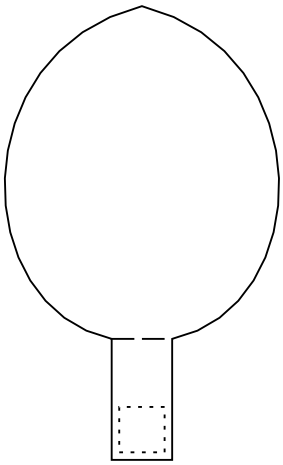
P7 | cut 1
36.25 x 60.00 mm



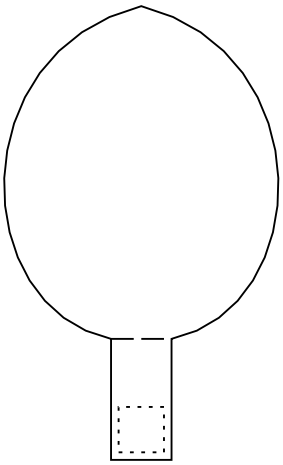
P8 | cut 1
36.25 x 60.00 mm



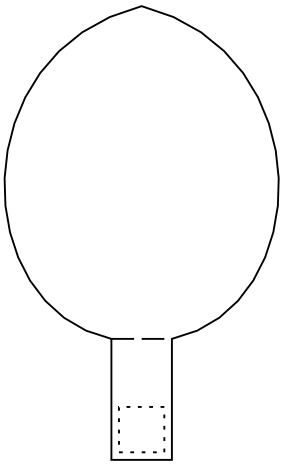
P1 | cut 1
36.25 x 60.00 mm



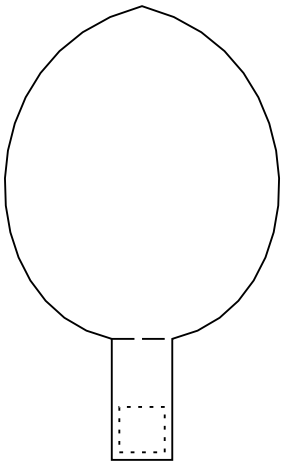
P2 | cut 1
36.25 x 60.00 mm



P3 | cut 1
36.25 x 60.00 mm



P4 | cut 1
36.25 x 60.00 mm



Solid: cut | Dashed: valley | Dash-dot: mountain | Dotted: glue

50 mm calibration

Print at 100% / Actual size. Do not fit to page. Original paper craft template.

Anemone - rounded petals and dark stamen crown

anemone / 1.0.0 / A4 / Assembly instructions

Finished size: Approximately 122 x 122 x 20 mm (stemless flower head)

Materials: 140-160 gsm pale paper for petals; 160 gsm dark purple paper for center and stamens; 180 gsm green card for mounting disc; Fine scissors or craft knife and cutting mat; Ruler, protractor, blunt scoring tool, tweezers and PVA glue

Original polygon-sampled rounded outlines. Print at 100% and check the 50 mm ruler before cutting. Cut one of each ID: 11 pieces total.

All shaped faces preserve template edge lengths. Petals use a single root hinge, not a stretched bowl; the center is a faceted table, not a spherical dome.

The stamen ring has a real cut-out center and open perimeter gaps. Its 1.4 mm necks need careful cutting; there are no extra snips or hidden wire.

Paper thickness and adhesive are not simulated. Small layer offsets are illustrative; compress the root stack gently so the ring and center feet bond to the petals.

Automated geometry checks do not establish foldability. Screen review and physical print/cut/assembly verification remain pending.

Part inventory (cut each instance once):

B1: Hidden mounting disc

P1: Rounded petal P1

P2: Rounded petal P2

P3: Rounded petal P3

P4: Rounded petal P4

P5: Rounded petal P5

P6: Rounded petal P6

P7: Rounded petal P7

P8: Rounded petal P8

S1: 24 stamens on pierced ring

C1: Raised center with eight feet

1. Prepare the mounting disc [B1]: Cut the 38 mm disc B1 and lightly mark its center on the upper side. Mark four compass directions and four diagonals with pencil. The disc stays flat; place it green side down on a level work surface.

2. Fold and attach the lower petals [P1, P2, P3, P4]: Cut P1-P4 and score each 8 mm transverse hinge, 16 mm from the square root. With the visible side up, valley-fold the blade upward 18 degrees from the flat root. Put glue on the underside of the marked 6 x 6 mm root area. Set root short edges 3 mm from B1 center, pointing blades north, west, south and east respectively. Hinges lie 19 mm from center, beyond the stamen ring. Press only roots and let set for 5 minutes.

3. Add the staggered upper petals [P5, P6, P7, P8]: Cut and score P5-P8 in the same way; lift blades 25 degrees from their roots. Glue underside root squares over B1 and lower roots, with short edges 3 mm from center. Point P5 northwest, P6 southwest, P7 southeast and P8 northeast: 45 degrees between layers. Keep blades free of glue. Dry flat for 5 minutes.

4. Cut and fold the stamen crown [S1]: Cut S1 perimeter including all spaces between its 24 fingers; remove the central 22 mm vertex-to-vertex polygon. Score only the 24 marked root lines on the 34 mm outer polygon. Support the annulus flat and lift each 8 mm finger 65 degrees upward on a valley fold. Leave each widened tip straight. Tips finish about 7.25 mm above the annulus; do not curl or slit the necks.

5. Attach the crown concentrically [S1]: Apply a thin film of PVA underneath the four marked ring sectors. Center the ring hole over B1 center and press the annulus onto the flat petal roots. Keep all fingers free. The ring rests about 1.2 mm above B1 in the

preview; paper thickness and compression determine its actual seating. Allow 10 minutes to set.

6. Fold the raised dark center [C1]: Cut C1 as one net. Keep the central octagon flat, dark face uppermost. Mountain-fold all eight walls downward 90 degrees at the octagon edges. At the next line, 6.8 mm from each edge, valley-fold each 3 mm foot outward 90 degrees so it is parallel to the octagon. The eight wall corners remain open; do not glue them or add cuts. The cap is 21.6 mm across opposite vertices and stands 6.8 mm above its feet.

7. Seat the center and finish [C1, S1, B1]: Apply glue to the undersides of all eight C1 feet. Lower the center through the S1 opening: the walls sit inside the hole and the feet extend outward to about 13 mm radius, overlapping the annulus by about 2 mm. Align one cap vertex with east. Press feet with tweezers through the corner gaps without flattening stamens. Let dry 20 minutes. Check that the center stands about 8 mm above the backing and all eight petals and 24 stamens remain free. Physical assembly is still pending validation.