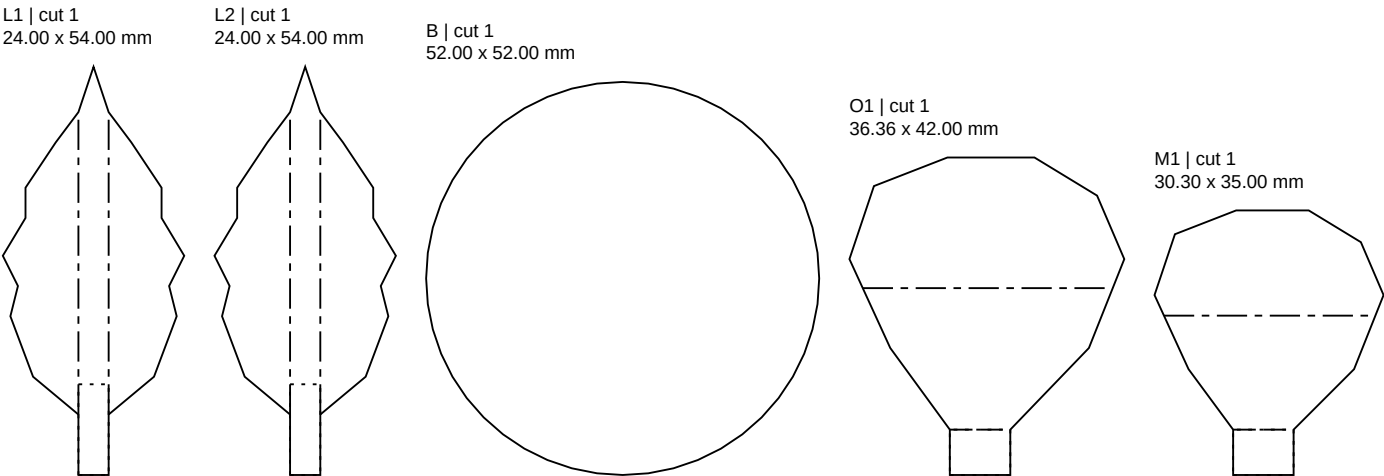
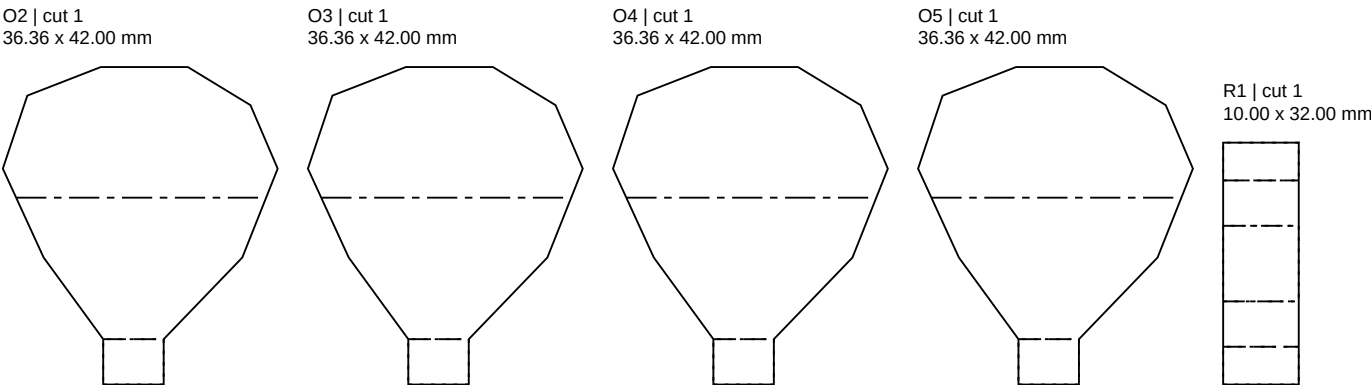
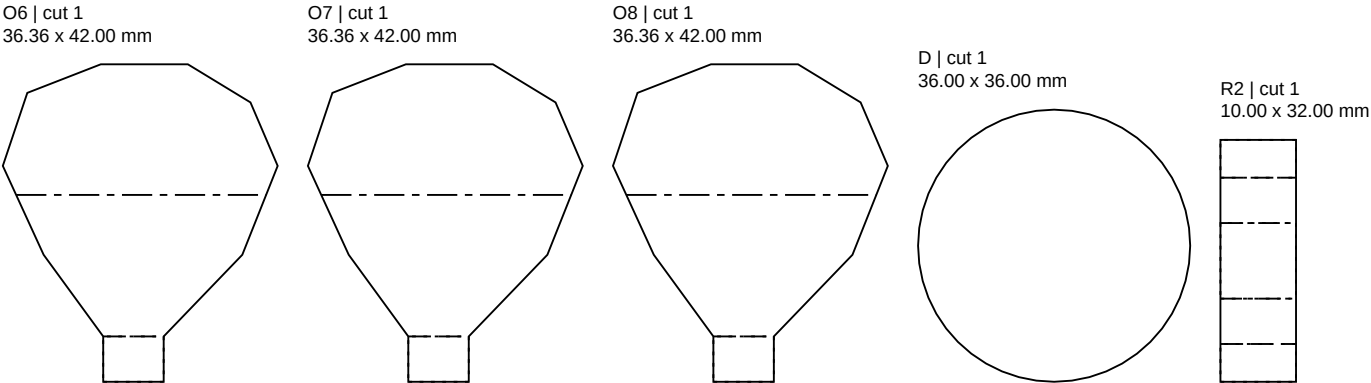
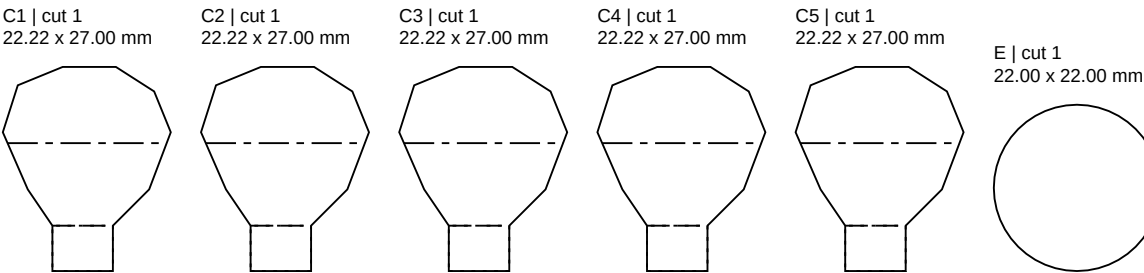
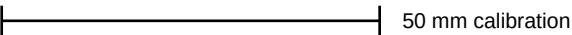


Formal Spiral Camellia

camellia / 1.0.0 / Letter / Template page 1



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

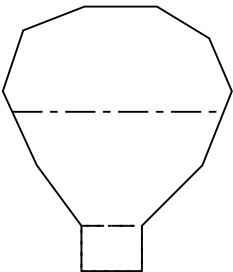


Print at 100% / Actual size. Do not fit to page. Original paper craft template.

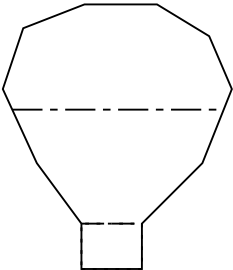
Formal Spiral Camellia

camellia / 1.0.0 / Letter / Template page 2

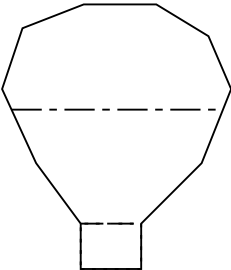
M7 | cut 1
30.30 x 35.00 mm



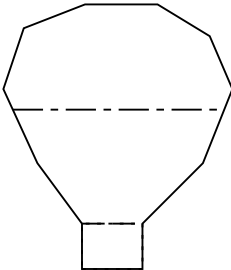
M2 | cut 1
30.30 x 35.00 mm



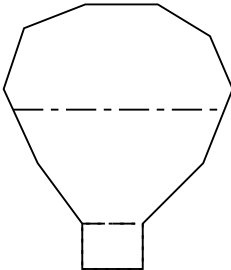
M3 | cut 1
30.30 x 35.00 mm



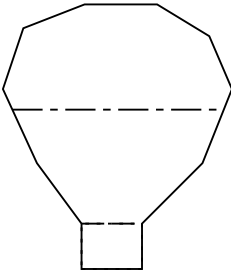
M4 | cut 1
30.30 x 35.00 mm



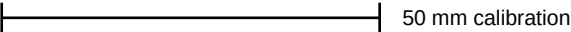
M5 | cut 1
30.30 x 35.00 mm



M6 | cut 1
30.30 x 35.00 mm



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



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

Formal Spiral Camellia

camellia / 1.0.0 / Letter / Assembly instructions

Finished size: Approximately 125 x 120 x 40 mm

Materials: 120-160 gsm petal paper; 180-220 gsm green card; smooth finish optional for leaves; Scissors; PVA glue; Ruler and protractor; Blunt scoring tool

Original facet-and-crease construction with 20 petals, three mounting disks, two bridges and two leaves.

All shaped faces preserve flat paper dimensions. Petal overlap is loose shingling, not a sealed compound-curved cup.

Paper and glue thickness, springback and final overlap settling are idealized. Glossy-style describes the pointed ridged leaf form; preview materials do not simulate a gloss coating.

Generation only. Screen review and physical printing, cutting and assembly remain deferred.

Part inventory (cut each instance once):

B: Mounting disk

D: Mounting disk

E: Mounting disk

R1: Six mm bridge support

R2: Six mm bridge support

O1: O spiral petal 1

O2: O spiral petal 2

O3: O spiral petal 3

O4: O spiral petal 4

O5: O spiral petal 5

O6: O spiral petal 6

O7: O spiral petal 7

O8: O spiral petal 8

M1: M spiral petal 1

M2: M spiral petal 2

M3: M spiral petal 3

M4: M spiral petal 4

M5: M spiral petal 5

M6: M spiral petal 6

M7: M spiral petal 7

C1: C spiral petal 1

C2: C spiral petal 2

Formal Spiral Camellia

camellia / 1.0.0 / Letter / Assembly instructions continued

C3: C spiral petal 3

C4: C spiral petal 4

C5: C spiral petal 5

L1: Pointed ridged leaf

L2: Pointed ridged leaf

1. Print and cut [B, D, E, R1, R2, O1, O2, O3, O4, O5, O6, O7, O8, M1, M2, M3, M4, M5, M6, M7, C1, C2, C3, C4, C5, L1, L2]: Print at 100% actual size; confirm the 50 mm ruler. Cut all 27 pieces once. Use 120-160 gsm petal paper and 180-220 gsm card for disks, bridges and leaves. Score dashed folds before shaping.
2. Mount the glossy-style leaves [B, L1, L2]: On L1 and L2 keep the 4 mm midrib flat and fold both wings down 22 degrees. Glue the first 12 mm of each midrib under B, roots 12 mm from its center, pointing at 145 and 225 degrees from the right-hand horizontal. Smooth green paper gives a glossy-style leaf; no coating is required. Dry flat for 5 minutes.
3. Make the lower bridge [R1, D]: R1 is 10 x 32 mm. Fold at 5, 11, 21 and 27 mm: its two 5 mm feet stay horizontal, two 6 mm walls stand vertical, and its 10 mm roof is horizontal. Center the roof over B; glue both 10 x 5 mm feet to B. Glue D centrally onto the 10 x 10 mm roof, 6 mm above B. Hold square and dry 5 minutes.
4. Make the upper bridge [R2, E]: Fold R2 identically. Glue its feet to D, with its roof centered and its long direction rotated 90 degrees relative to R1. Glue E centered onto the roof, 12 mm above B. Keep the tier disks parallel and let both bridges dry 10 minutes before loading petals.
5. Form the O petal tier [O1, O2, O3, O4, O5, O6, O7, O8]: Keep each 8 x 6 mm root tongue flat. At 6 mm from the root, lift the blade 18 degrees. At 24.7 mm from the root, fold the crown back 10 degrees, leaving its facet 8 degrees above horizontal. Do not curl or stretch the broad blade. The C tier makes the upright petal center; no stamens or hidden core are needed.
6. Mount the O spiral tier [B, O1, O2, O3, O4, O5, O6, O7, O8]: On disk B, mark 8 root locations at radius 17 mm, starting 0 degrees counterclockwise from the right-hand horizontal and spacing them 45.0 degrees apart. Place each tongue midpoint at its inner short edge on a mark, directing its long axis 18 degrees counterclockwise from the outward radius. Glue only the 8 x 6 mm tongue. Work in number order, gently laying each next broad crown over its neighbor; lift the first crown to tuck the last underneath and close the spiral. Keep crowns unglued so overlap can settle. Hold each tongue 30 seconds and dry the tier 5 minutes.
7. Form the M petal tier [M1, M2, M3, M4, M5, M6, M7]: Keep each 8 x 6 mm root tongue flat. At 6 mm from the root, lift the blade 38 degrees. At 21.1 mm from the root, fold the crown back 18 degrees, leaving its facet 20 degrees above horizontal. Do not curl or stretch the broad blade. The C tier makes the upright petal center; no stamens or hidden core are needed.
8. Mount the M spiral tier [D, M1, M2, M3, M4, M5, M6, M7]: On disk D, mark 7 root locations at radius 10 mm, starting 24 degrees counterclockwise from the right-hand horizontal and spacing them 51.4 degrees apart. Place each tongue midpoint at its inner short edge on a mark, directing its long axis 18 degrees counterclockwise from the outward radius. Glue only the 8 x 6 mm tongue. Work in number order, gently laying each next broad crown over its neighbor; lift the first crown to tuck the last underneath and close the spiral. Keep crowns unglued so overlap can settle. Hold each tongue 30 seconds and dry the tier 5 minutes.
9. Form the C petal tier [C1, C2, C3, C4, C5]: Keep each 8 x 6 mm root tongue flat. At 6 mm from the root, lift the blade 72 degrees. At 16.9 mm from the root, fold the crown back 15 degrees, leaving its facet 57 degrees above horizontal. Do not curl or stretch the broad blade. The C tier makes the upright petal center; no stamens or hidden core are needed.
10. Mount the C spiral tier [E, C1, C2, C3, C4, C5]: On disk E, mark 5 root locations at radius 4 mm, starting 51 degrees counterclockwise from the right-hand horizontal and spacing them 72.0 degrees apart. Place each tongue midpoint at its inner short edge on a mark, directing its long axis 18 degrees counterclockwise from the outward radius. Glue only the 8 x 6 mm tongue. Work in number order, gently laying each next broad crown over its neighbor; lift the first crown to tuck the last underneath and close the spiral. Keep crowns unglued so overlap can settle. Hold each tongue 30 seconds and dry the tier 5 minutes.

Formal Spiral Camellia

camellia / 1.0.0 / Letter / Assembly instructions continued

11. Set the formal bloom [B, D, E, R1, R2, O1, O2, O3, O4, O5, O6, O7, O8, M1, M2, M3, M4, M5, M6, M7, C1, C2, C3, C4, C5, L1, L2]: Leave the assembled flower unloaded for 20 minutes. The eight outer, seven middle and five upright inner petals should read as a continuous offset spiral. Keep mounting tongues flat and bridges square; do not flatten the center. This is a decorative flower head, not a freestanding stemmed flower.