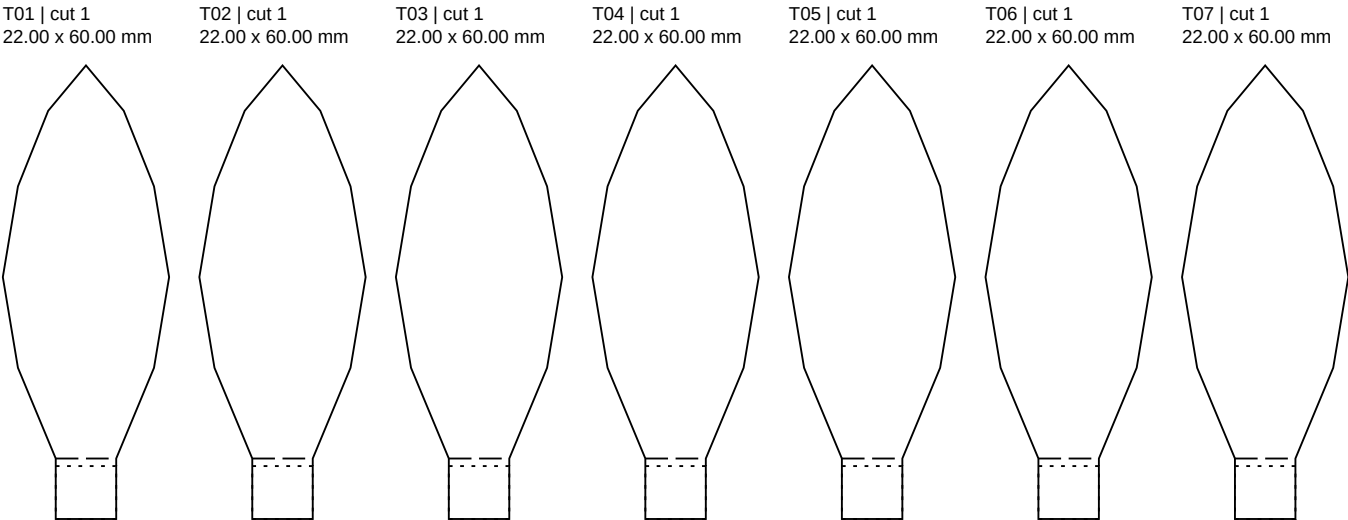
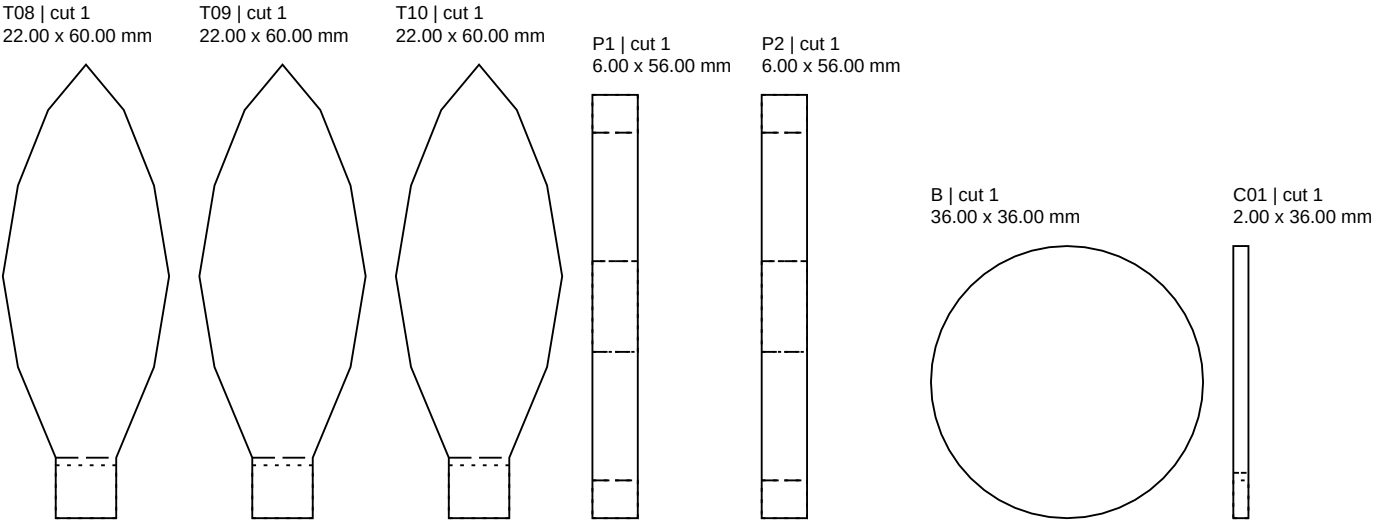
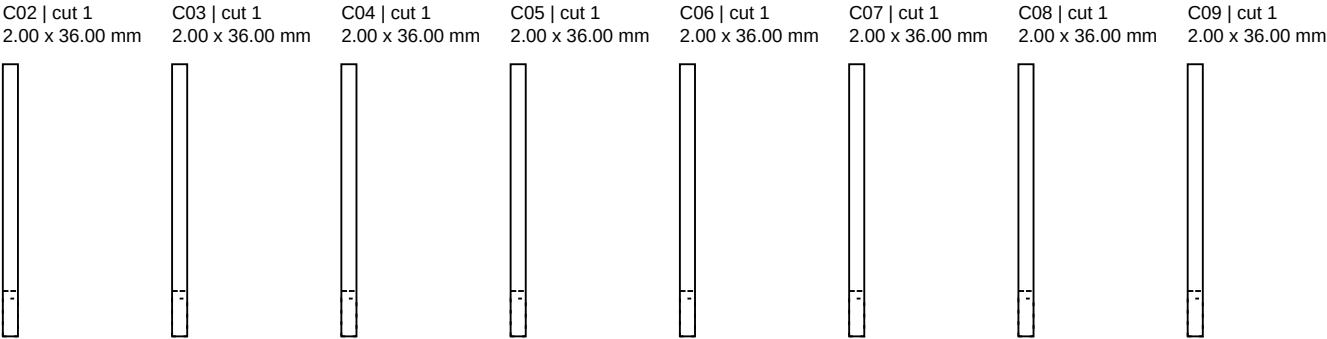
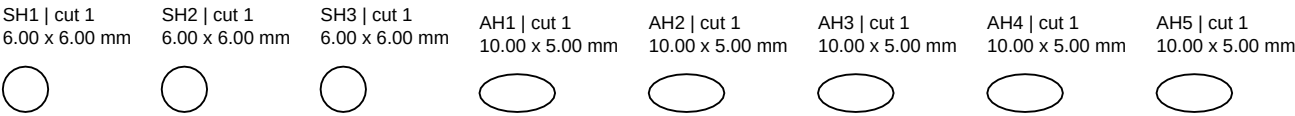
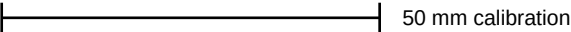


Passionflower

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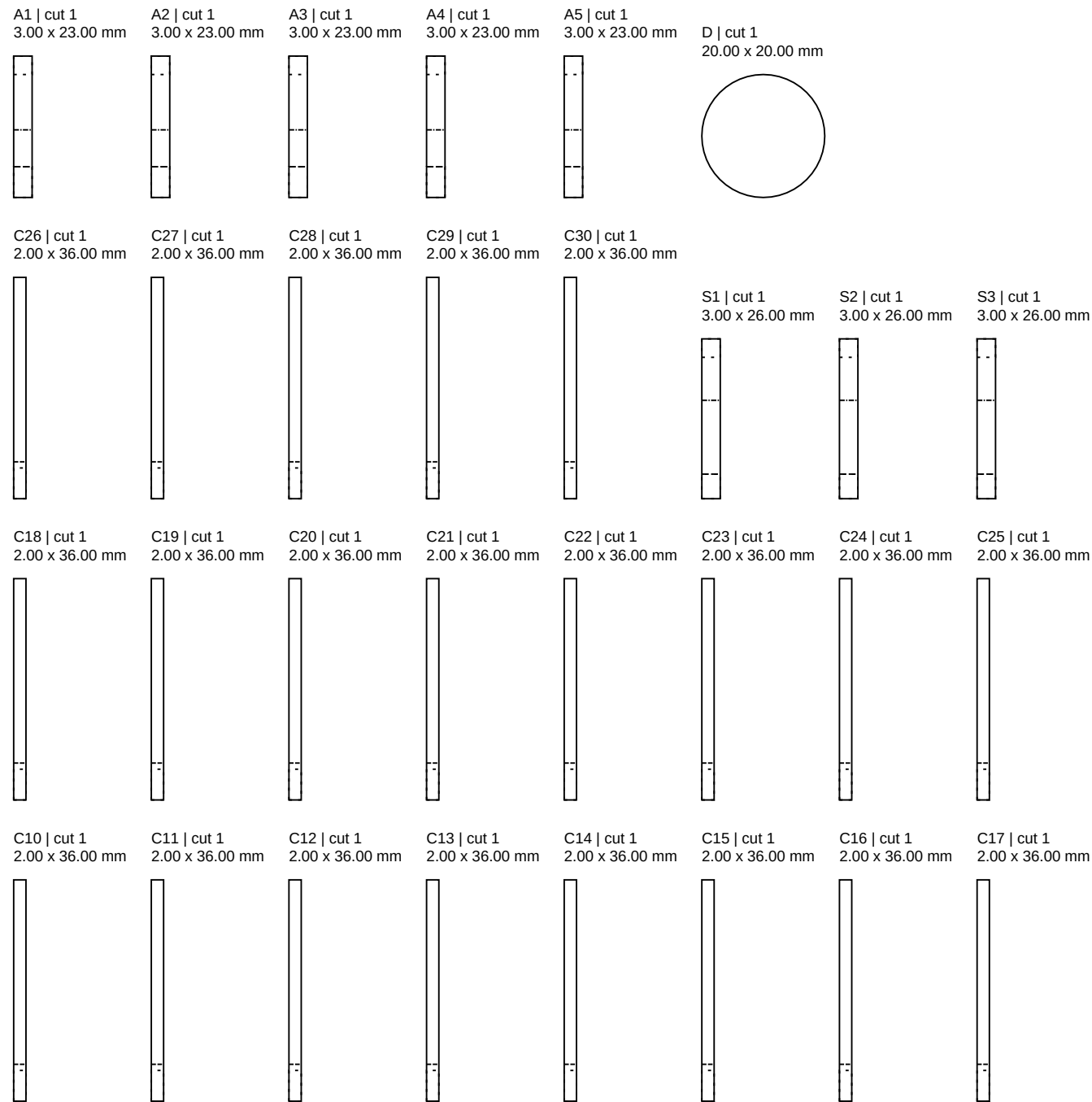
Solid: cut | Dashed: valley | Dash-dot: mountain | Dotted: glue



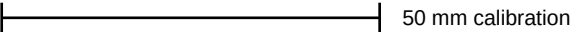
Print at 100% / Actual size. Do not fit to page. Original paper craft template.

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



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

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Finished size: Approximately 133 x 139 x 31 mm

Materials: 160-180 gsm paper for all parts; Fine scissors or craft knife and cutting mat; PVA glue; Ruler, protractor and blunt scoring tool; Tweezers

Original stylized passionflower: ten outer tepals, thirty corona rays, five anthers and three stigma heads. All 60 cut pieces, including both pedestal supports and eight stalks, are supplied.

All shaped parts use exact piecewise-rigid folds with matching flat vertices; no stretching, curling, hidden wire or unprinted cuts are required.

The corona is deliberately simplified to cuttable 2 mm-wide strips; use tweezers. Color the strips before assembly if printing on white stock.

Paper is modeled as zero-thickness surfaces. Small 0.2 mm layer separations represent glued paper stacks; adhesive thickness and hand-set crease angles can vary.

Physical printing, cutting and assembly are pending. Let each structural glue joint dry before loading the next tier.

Part inventory (cut each instance once):

B: Receptacle base

T01: Outer tepal

T02: Outer tepal

T03: Outer tepal

T04: Outer tepal

T05: Outer tepal

T06: Outer tepal

T07: Outer tepal

T08: Outer tepal

T09: Outer tepal

T10: Outer tepal

C01: Corona filament

C02: Corona filament

C03: Corona filament

C04: Corona filament

C05: Corona filament

C06: Corona filament

C07: Corona filament

C08: Corona filament

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C09: Corona filament

C10: Corona filament

C11: Corona filament

C12: Corona filament

C13: Corona filament

C14: Corona filament

C15: Corona filament

C16: Corona filament

C17: Corona filament

C18: Corona filament

C19: Corona filament

C20: Corona filament

C21: Corona filament

C22: Corona filament

C23: Corona filament

C24: Corona filament

C25: Corona filament

C26: Corona filament

C27: Corona filament

C28: Corona filament

C29: Corona filament

C30: Corona filament

P1: Crossed pedestal bridge

P2: Crossed pedestal bridge

D: Central mounting disk

A1: Anther stalk

AH1: Pollen anther

A2: Anther stalk

AH2: Pollen anther

A3: Anther stalk

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AH3: Pollen anther

A4: Anther stalk

AH4: Pollen anther

A5: Anther stalk

AH5: Pollen anther

S1: Stigma style

SH1: Stigma head

S2: Stigma style

SH2: Stigma head

S3: Stigma style

SH3: Stigma head

1. Prepare the receptacle [B]: Print at 100 percent and confirm the 50 mm ruler. Cut B and lightly mark its center. Use the upward page direction as 0 degrees; measure all radial angles clockwise or counterclockwise consistently.
2. Place ten tepals [T01, T02, T03, T04, T05, T06, T07, T08, T09, T10]: Cut T01-T10. Score each line 8 mm from its root and lift its blade 8 degrees above the flat root. Glue each 8 mm-wide root to B from radius 10 to 17 mm. Place T01 toward 0 degrees, then T02-T10 at 36-degree intervals. Their crease centers lie at radius 18 mm. Dry flat.
3. Add the filament corona [C01, C02, C03, C04, C05, C06, C07, C08, C09, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30]: Cut the thirty 2 x 36 mm strips C01-C30 without narrowing them. Score at 6 mm and raise the remaining 30 mm by 15 degrees. Glue only the first 5 mm at radius 12-17 mm over the tepal roots. C01 aligns with T01; proceed at 12-degree intervals, alternating dark and light rays. Keep the center radius 11 mm clear for support feet.
4. Fold and mount the crossed pedestal [P1, P2]: Cut the two 6 x 56 mm bridges. Score at 5, 22, 34 and 51 mm. Fold into an inverted U: 5 mm outward foot, 17 mm vertical wall, 12 mm horizontal top, 17 mm wall, 5 mm outward foot. Fold each crease 90 degrees using the printed mountain/valley sequence. Center P1 on B with walls at $y = -6$ and $+6$ mm and feet extending outward to ± 11 mm. Glue feet to B. Turn P2 by 90 degrees and glue its feet at $x = \pm 6$ to ± 11 mm. Its top crosses over P1; glue their central 6 x 6 mm overlap. Dry fully.
5. Cap the pedestal [D]: Center the 20 mm-diameter disk D on the crossed bridge tops, about 18 mm above B. Glue to both 6 x 12 mm top faces, pressing gently without crushing the walls. Allow to set.
6. Raise five anther stalks [A1, A2, A3, A4, A5]: For A1-A5 score at 5 and 11 mm: retain a 5 mm flat foot, fold the next 6 mm upright by 90 degrees, then fold the final 12 mm outward to horizontal. Glue feet to D from radius 3 to 8 mm. Space A1-A5 every 72 degrees, with A1 aligned to T01. Each vertical section is at radius 8 mm; each horizontal arm ends at radius 20 mm and height about 24 mm. Dry before adding heads.
7. Fit five pollen anthers [AH1, AH2, AH3, AH4, AH5]: Glue AH1-AH5 onto the last 3 mm of their matching A stalks. Center each oval at radius 18.5 mm, long 10 mm axis tangential to the flower and short 5 mm axis radial. Keep the yellow faces horizontal and upward.
8. Raise three stigma styles [S1, S2, S3]: For S1-S3 score at 4 and 16 mm: leave the first 4 mm flat, turn the next 12 mm vertically up, and turn the last 10 mm outward to horizontal. Glue feet from the center to radius 4 mm on D, overlapping just at their inner ends. Orient S1 at 36 degrees from T01, then S2 and S3 at 156 and 276 degrees. They rise above the five anthers to about 31 mm.
9. Finish the three-lobed crown [SH1, SH2, SH3]: Glue SH1-SH3, the 6 mm-diameter purple stigma heads, onto the last 3 mm of the corresponding styles. Center them at radius 12.5 mm. Keep them horizontal. Let all glue cure with B supported level; handle the finished

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flower by its receptacle, not its narrow rays or raised crown.