

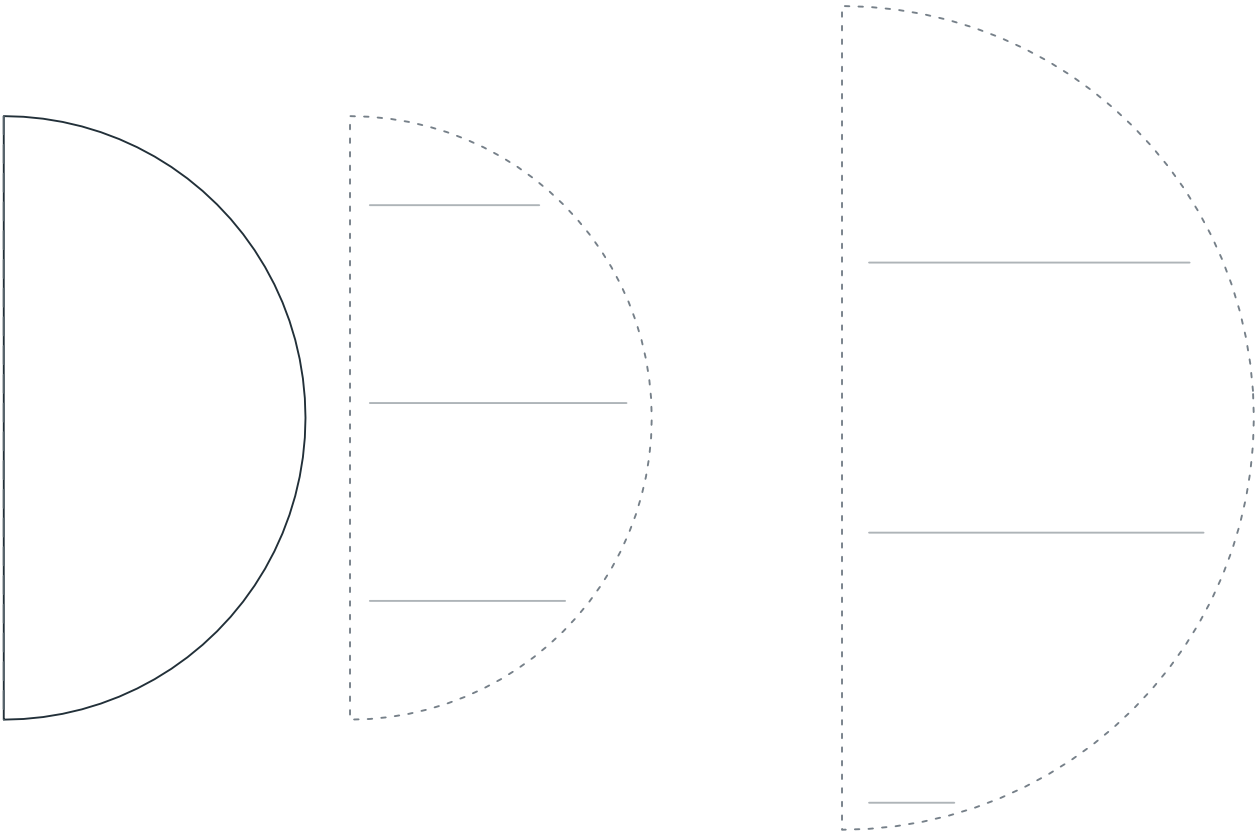
Honeycomb paper ball

pap-055 / A4 / Parts overview - NOT A CUTTING SHEET



USE THE FOLLOWING PATTERN SHEETS AT ACTUAL SIZE.

These miniature views identify the supplied patterns; they are deliberately reduced.



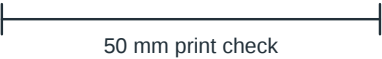
1. Pattern 1

2. Pattern 2

2 pattern sheets supplied. Printed details are not cut lines unless explicitly marked.

Solid cut boundary / dashed score / shaded joining area. Read the full instructions.

Dry-fit the parts before gluing. Keep this overview beside the full-size pattern sheets.

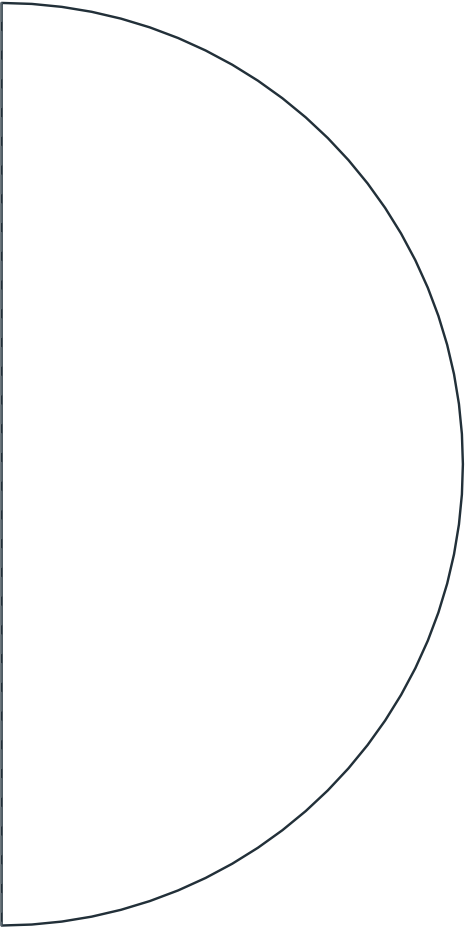


Print at actual size / 100%. Disable fit-to-page.
Use the paper edition that matches the printer tray.

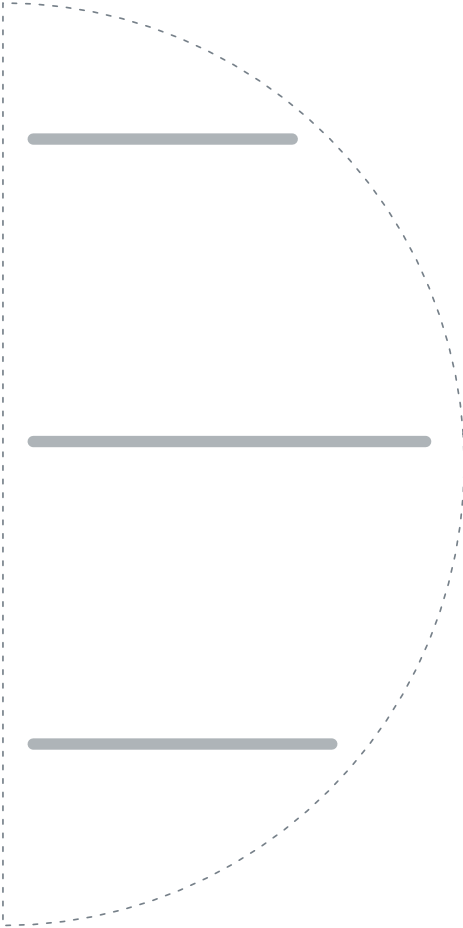
Honeycomb paper ball

pap-055 / A4 / Pattern 1

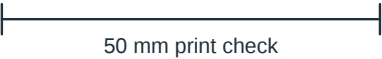
Half-profile / cut 18 identical copies



Glue map A / no cutting here



Alternate A / B between sheets.

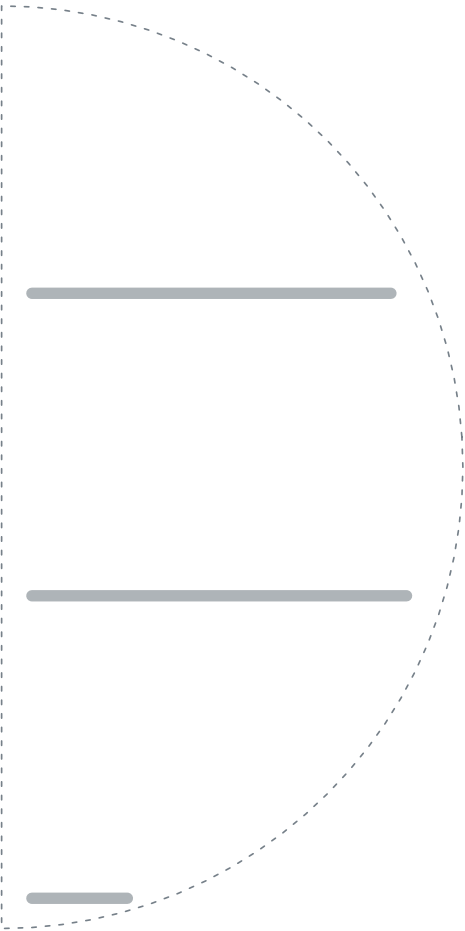


Print at actual size / 100%. Disable fit-to-page.
Use the paper edition that matches the printer tray.

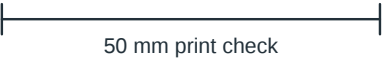
Honeycomb paper ball

pap-055 / A4 / Pattern 2

Glue map B / no cutting here



Alternate A / B between sheets.



50 mm print check

Print at actual size / 100%. Disable fit-to-page.
Use the paper edition that matches the printer tray.

Honeycomb paper ball

pap-055 / A4 / Instructions

PURPOSE

Honeycomb paper ball developed as a measured original paper study. The packet provides the actual parts, joining or shaping marks, drawing dimensions and an assembly sequence. Print at actual size and dry-fit the parts before gluing.

DRAWING FACTS

- 18 repeated half-profiles; profile height 122.00 mm. Alternating A/B glue maps have 20 mm row offsets.

MATERIALS

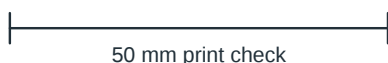
Plain 100 to 140 gsm paper for a first dimensional trial; approximately 160 to 220 gsm card only after confirming the folds. Use a ruler, suitable scissors, a blunt scoring tool and a small amount of paper adhesive. An adult should handle internal cuts, holes and small fasteners.

HOW TO USE THESE PAGES

1. Print or trace eighteen copies of the half-profile and two heavier backing half-profiles. Keep the straight edge aligned.
2. Place sheet 1 on a protected surface. Apply narrow glue bands only at A positions, stopping short of the outline.
3. Add sheet 2, align and press. Apply B bands to sheet 2 before adding sheet 3. Alternate A and B until all sheets are stacked.
4. Let the flat stack dry completely. Fan the free edge around the straight hinge; join the two backing half-profiles to close the honeycomb.
5. Test free opening before adding a hanging thread. Excess glue can fuse cells; a digital pattern does not prove material compatibility.

LIMITS AND CHECKS

- Drawing dimensions describe flat paper surfaces, not verified internal capacity, load strength, fit or material compatibility.
- No mailing, food-contact, archival, toy-safety, protective-wear or cutting-machine certification is supplied.
- Make a plain-paper trial first; paper thickness and fold accuracy can change the fit.
- Trial: Measure the 50 mm reference and two named component dimensions.
- Trial: Make a complete empty trial and document fold direction, joining order, collision, stability and any fragile features.
- Trial: Repeat the trial using your chosen paper. Check that every join holds and each moving part works freely before decorating.



50 mm print check

Print at actual size / 100%. Disable fit-to-page.

Use the paper edition that matches the printer tray.