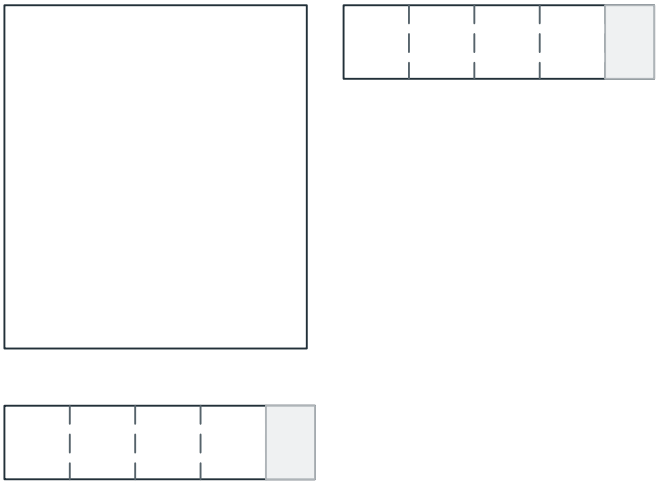
Floating Panel pop-up mechanism project

ex2-1198 / 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

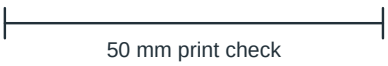


2. Pattern 2

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.



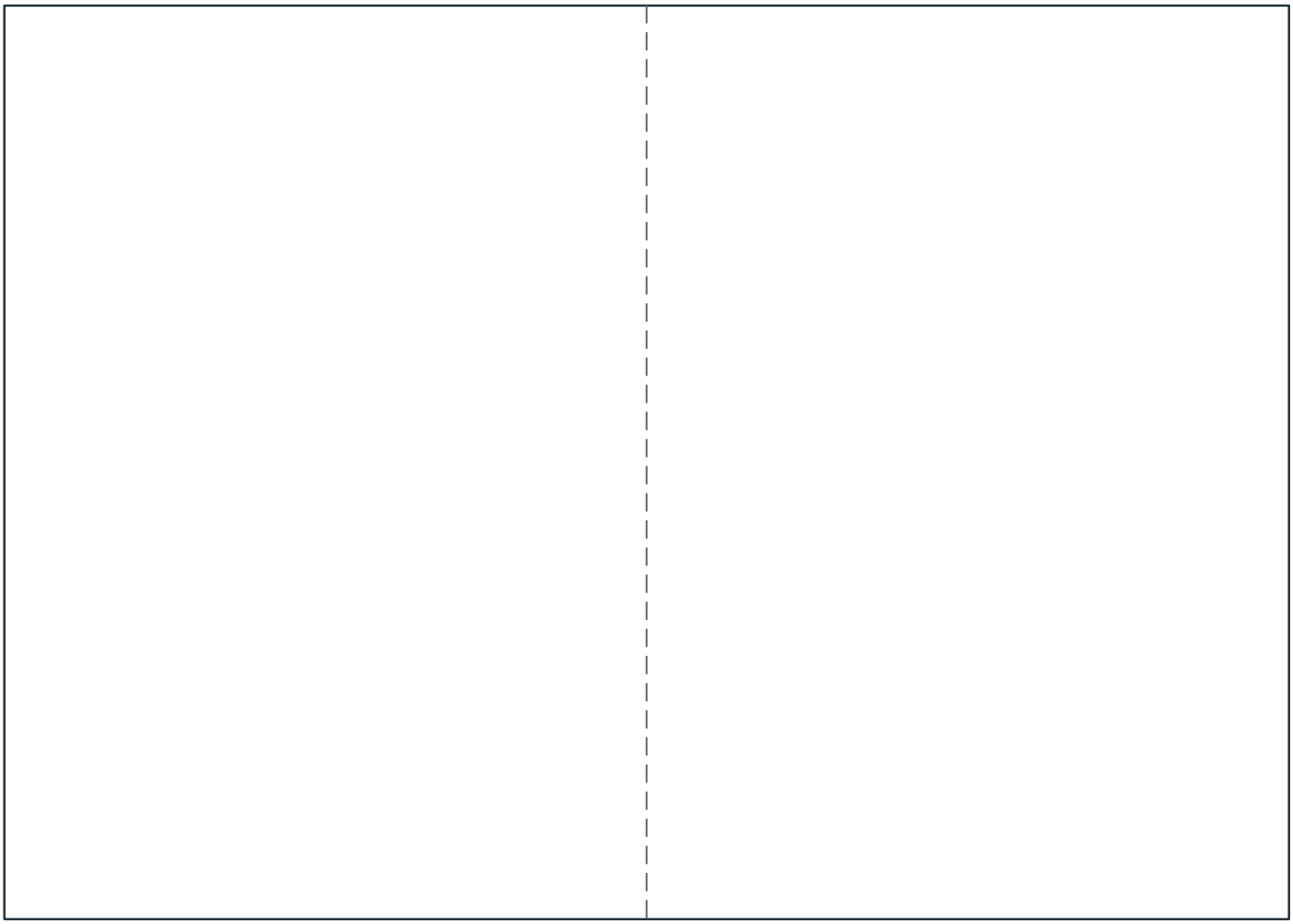
50 mm print check

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

Floating Panel pop-up mechanism project

ex2-1198 / A4 / Pattern 1

Card base / 90 x 128 mm closed



50 mm print check

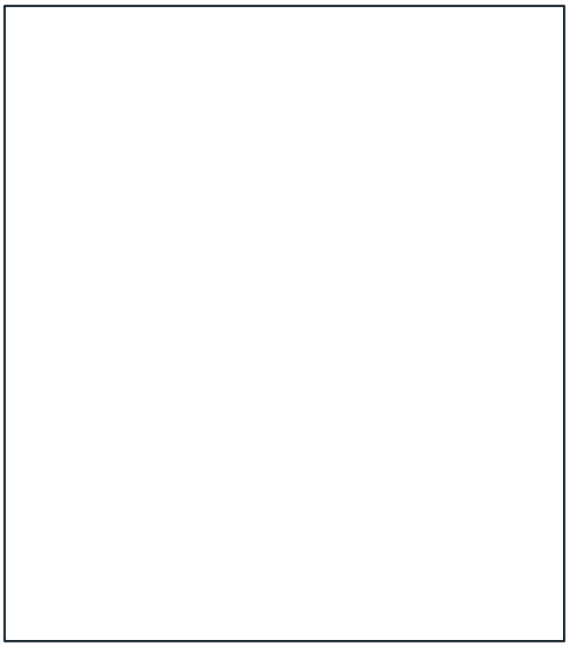
Print at actual size / 100%. Disable fit-to-page.

Use the paper edition that matches the printer tray.

Floating Panel pop-up mechanism project

ex2-1198 / A4 / Pattern 2

Floating display panel



Parallel support loop 1

Parallel support loop 2

50 mm print check

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

Use the paper edition that matches the printer tray.

Floating Panel pop-up mechanism project

ex2-1198 / A4 / Instructions

PURPOSE

Floating Panel pop-up mechanism project 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

- Floating panel 74 x 84 mm, supported by two equal 16 mm square loops.

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. Form two square support loops using the 12 mm joining tabs.
2. Bond opposite faces of each loop between the card and floating panel; keep the two loops parallel.
3. Locate supports with the card closed, then let each joint dry in that position.
4. Test the panel movement before decorating; an offset or twisted loop can prevent closure.

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.