

Lightweight paper-ball rolling channel

ex2-1220 / LETTER / 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.



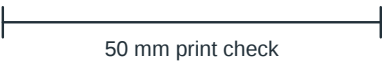
1. Pattern 1

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.

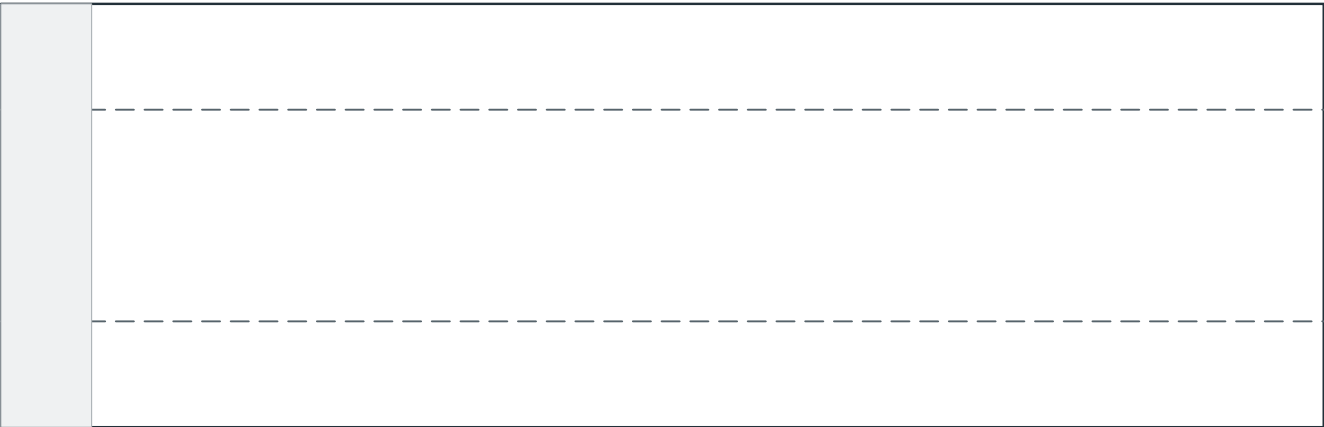
Lightweight paper-ball rolling channel

ex2-1220 / LETTER / Pattern 1

Low-energy rolling channel 1



Low-energy rolling channel 2



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

Lightweight paper-ball rolling channel

ex2-1220 / LETTER / Pattern 2

Low-energy rolling channel 3



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

Lightweight paper-ball rolling channel

ex2-1220 / LETTER / Instructions

PURPOSE

Lightweight paper-ball rolling channel. Use a large, light paper ball with supervision, not small marbles. No performance or toy-safety certification.

DRAWING FACTS

- Three 175 mm channel sections, 28 mm floor width and 14 mm sides.

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. Cut and score each channel, then raise the two 14 mm walls.
2. Join sections with their 12 mm overlap zones aligned in the direction of travel.
3. Support on stable folded paper blocks with a very shallow slope. Use a large lightweight paper ball, not a small marble.
4. Keep the model on a table with an end stop. Use a large, light paper ball with supervision and keep small objects away from young children.

LIMITS AND CHECKS

- Use a large, light paper ball with supervision, not small marbles. No performance or toy-safety certification.
- 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.