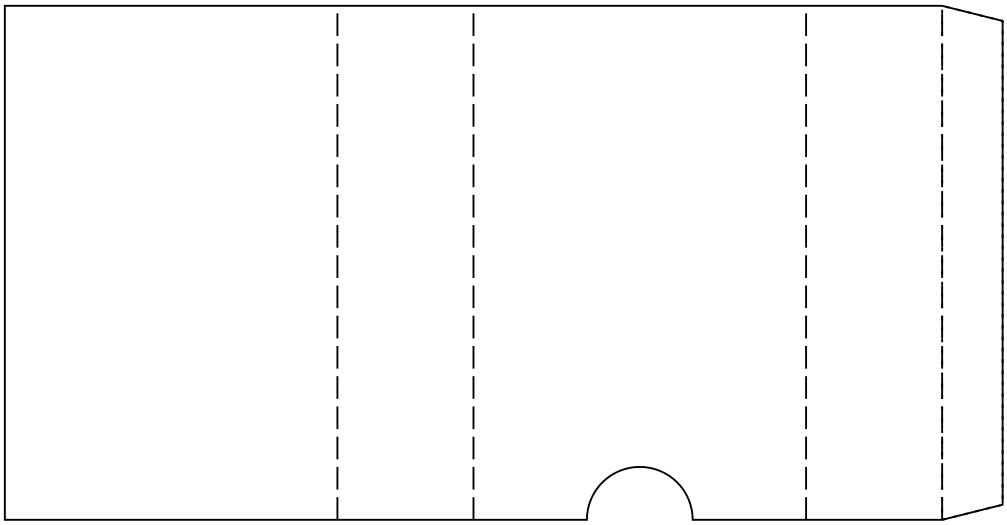
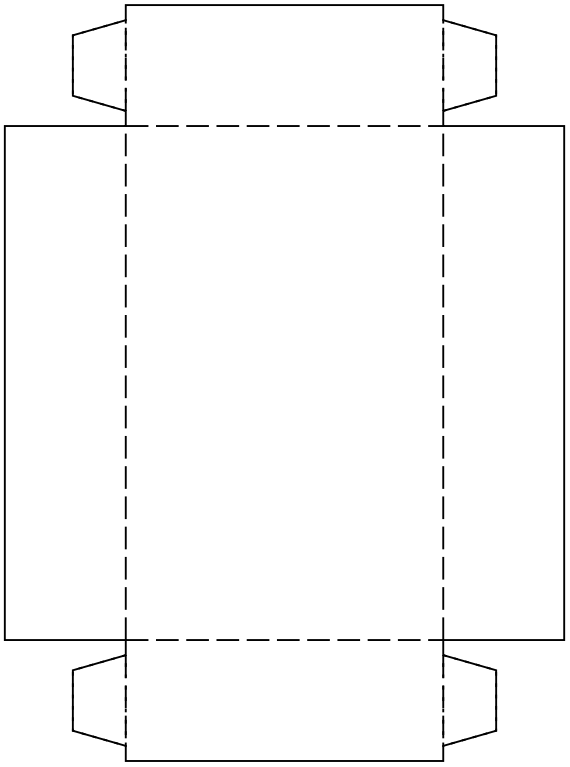
Sliding Keepsake Drawer

matchbox-drawer / 1.0.0 / Letter / Template page 1

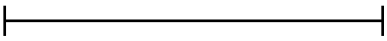
S1 | cut 1
132.00 x 68.00 mm



T1 | cut 1
74.00 x 100.00 mm



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



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

Sliding Keepsake Drawer

matchbox-drawer / 1.0.0 / Letter / Assembly instructions

Finished size: Approx. 44.3 x 68.3 x 18.6 mm closed; 44.3 x 90.3 x 18.6 mm shown 22 mm open

Materials: 180-220 gsm card, measured thickness 0.20-0.30 mm; Scissors or craft knife and cutting mat; Ruler and blunt scoring tool; Thin PVA glue; Small clips

Original two-piece construction for lightweight decorative storage only; not for matches, flame or hot objects. Physical assembly pending.

Score-line dimensions: tray base 42 x 68 mm, walls 16 mm; sleeve cross-section 44 x 18 mm, length 68 mm. Tray net 74 x 100 mm; sleeve net 132 x 68 mm.

For 0.30 mm card, nominal sleeve inside width is 43.70 mm versus tray outside width 42.30 mm: 1.40 mm total lateral clearance (0.70 mm per side). Inside corner tabs keep the sliding faces smooth.

Nominal sleeve inside height is 17.70 mm versus tray base-to-rim envelope about 16.30 mm, leaving about 1.40 mm vertical allowance. Sleeve seam goes outside the bottom, not into the sliding channel. Thin glue only.

Dimensions estimate paper midplanes; score compression, glue thickness and springback vary. Use measured 0.20-0.30 mm card; heavier board is outside this fit specification.

Meshes preserve every face and glue tab with exact flat correspondence. Zero-thickness lap faces coincide; real glued layers and bend radii are idealized. The radius-7 mm notch uses 32 straight chords.

Preview shows the tray pulled forward 22 mm, leaving 46 mm engaged in the sleeve. There is no travel stop; support the drawer when opening fully.

Part inventory (cut each instance once):

T1: Open drawer with four inside corner tabs

S1: Notched sleeve with bottom seam

1. Print, measure and cut [T1, S1]: Print at 100% actual size and confirm the 50 mm ruler. Use card 0.20-0.30 mm thick. Cut one T1 and one S1 on solid outlines, including the 14 mm wide, 7 mm deep semicircular notch on S1. Keep all four T1 tabs and the S1 seam lap attached.

2. Score the tray [T1]: Place T1 with its future inside facing you. Score the 42 x 68 mm base boundary and the four short tab hinges. Valley-fold all four 16 mm walls up 90 degrees. Fold each 7 mm corner tab inward 90 degrees from its end wall, toward the inside of the adjacent long wall.

3. Glue four inside corners [T1]: Apply a thin film to the tab faces that contact the inside of the long walls. Each tab extends 7 mm along a long wall and sits 2-14 mm above the base, with beveled corners. Raise end walls, place tabs inside, then press long walls onto them. Keep the base flat and corners square; retain 42 mm between long-wall score lines and 68 mm between end-wall score lines. Let dry fully.

4. Form the sleeve [S1]: With future inside facing you, score parallel lines at 44, 62, 106 and 124 mm from the straight bottom-panel edge. Valley-fold each 90 degrees to make a 44 x 18 mm rectangular tube, 68 mm long. The 44 mm panel with the notch is the top; the notch opens at the front. Both short ends remain open.

5. Close the exterior seam [S1]: Bring the 8 mm tapered lap at 124-132 mm underneath the OUTSIDE of the first 44 mm bottom panel. Apply thin glue to its contacting face and overlap 8 mm along the full bottom-left seam. Keep the inner bottom smooth. Hold the rectangular section square at 44 x 18 mm score-to-score and let dry fully before inserting T1.

6. Slide together and display [T1, S1]: Face the sleeve notch toward you. Insert the dry tray open side up from this end, with its plain end wall toward you. Center it laterally; nominal clearance with 0.30 mm card is 0.70 mm per side and about 1.40 mm vertically. Slide gently until end walls align with sleeve ends; never glue the tray to the sleeve. For the pictured display pull forward 22 mm, retaining 46 mm engagement. Use the top notch to grip the tray rim; support it because no stop is fitted. Physical sliding fit remains to be verified.