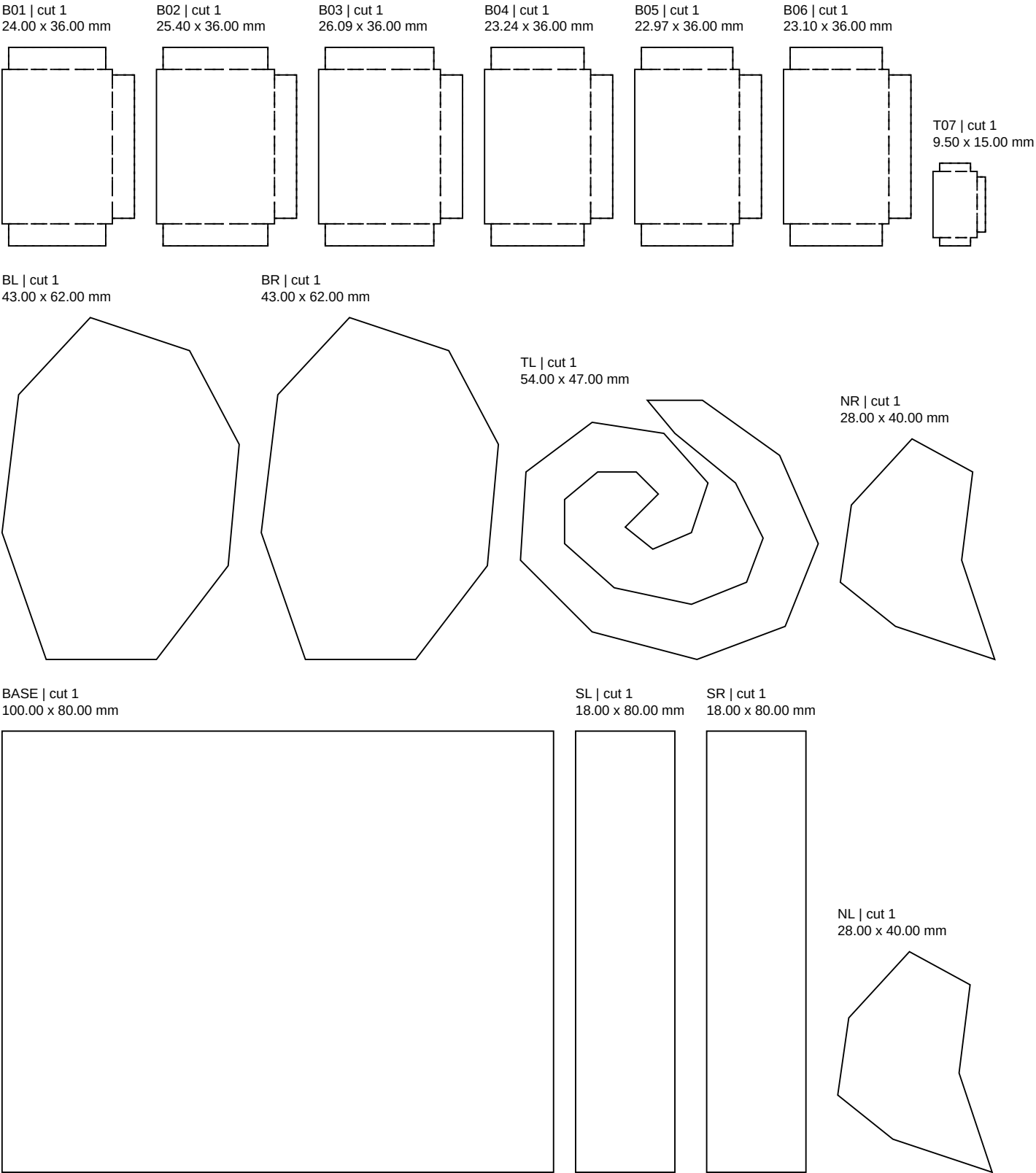
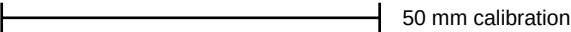


Curled-tail Seahorse

seahorse / 1.0.0 / Letter / Template page 1



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

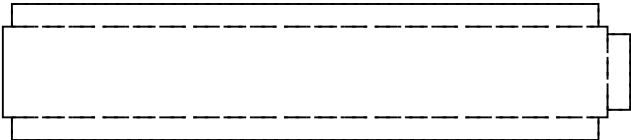


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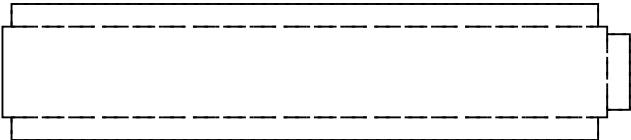
Curled-tail Seahorse

seahorse / 1.0.0 / Letter / Template page 2

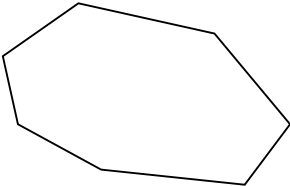
S02 | cut 1
83.00 x 18.00 mm



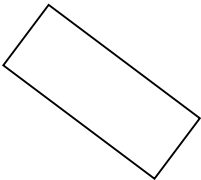
S04 | cut 1
83.00 x 18.00 mm



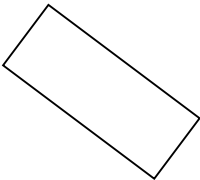
HR | cut 1
38.00 x 24.00 mm



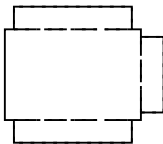
ML | cut 1
26.00 x 23.00 mm



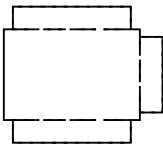
MR | cut 1
26.00 x 23.00 mm



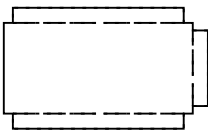
S01 | cut 1
21.00 x 18.00 mm



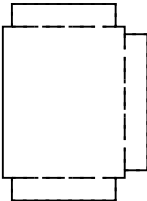
S03 | cut 1
21.00 x 18.00 mm



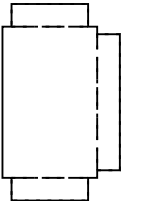
M01 | cut 1
27.00 x 16.00 mm



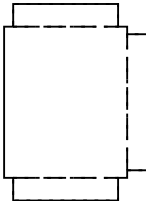
N03 | cut 1
19.12 x 26.00 mm



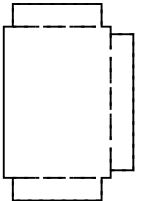
N04 | cut 1
15.53 x 26.00 mm



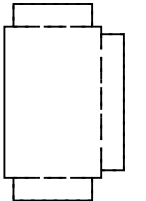
N05 | cut 1
19.28 x 26.00 mm



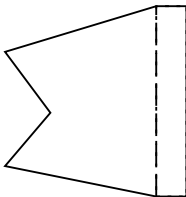
N06 | cut 1
17.14 x 26.00 mm



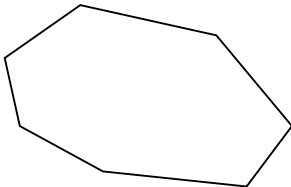
N07 | cut 1
15.81 x 26.00 mm



FIN | cut 1
24.00 x 25.18 mm



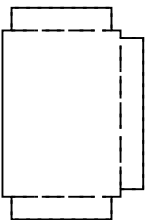
HL | cut 1
38.00 x 24.00 mm



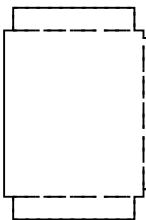
H03 | cut 1
13.00 x 28.00 mm



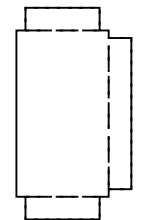
H04 | cut 1
18.62 x 28.00 mm



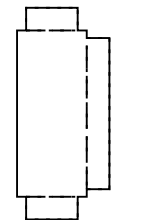
H05 | cut 1
21.44 x 28.00 mm



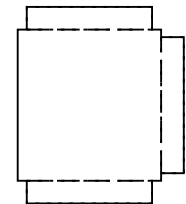
H06 | cut 1
15.21 x 28.00 mm



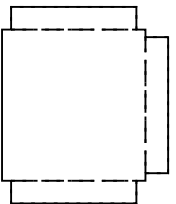
H07 | cut 1
12.22 x 28.00 mm



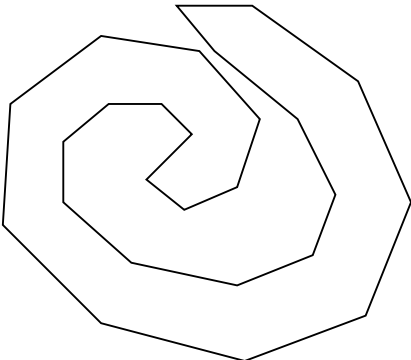
N01 | cut 1
21.97 x 26.00 mm



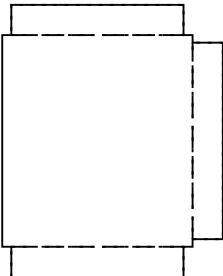
N02 | cut 1
21.97 x 26.00 mm



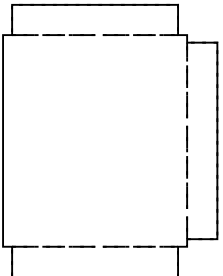
TR | cut 1
54.00 x 47.00 mm



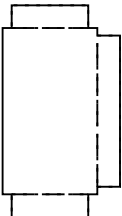
B07 | cut 1
29.18 x 36.00 mm



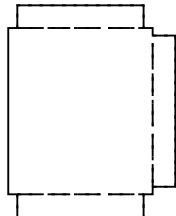
B08 | cut 1
28.35 x 36.00 mm



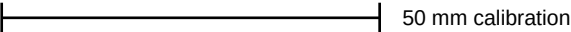
H01 | cut 1
15.53 x 28.00 mm



H02 | cut 1
22.10 x 28.00 mm

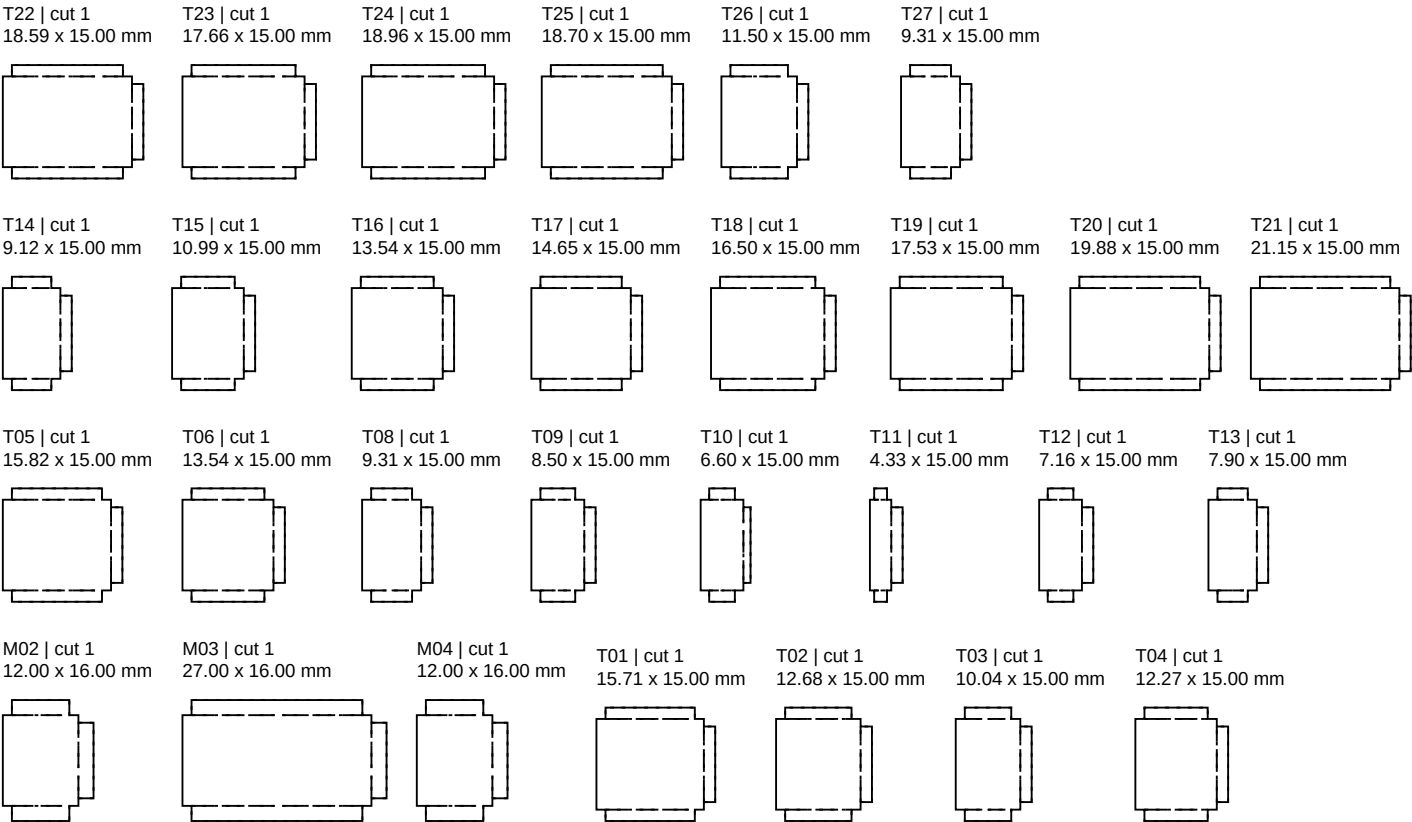


Solid: cut | Dashed: valley | Dash-dot: mountain | Dotted: glue

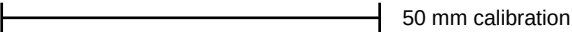


Print at 100% / Actual size. Do not fit to page. Original paper craft template.

Curled-tail Seahorse



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



Curled-tail Seahorse

seahorse / 1.0.0 / Letter / Assembly instructions

Finished size: 107 x 80 x 167 mm including display base

Materials: 180 gsm colored card for animal; 250 gsm card for base and pedestal; PVA glue; Scissors or craft knife; Scoring tool and ruler; Fine tweezers; Pencil for eyes

Original polygonal construction: every edge wall, closure lip and end seam is actual printable paper.

All supplied nets are exact rigid facets, including glue flaps; curved neck and tail are deliberately angular.

Side lids close last. Clear working depth: belly 28 mm, neck 20 mm, head 22 mm, tail and snout 12 mm.

Rear pedestal 18 x 12 x 80 mm mounts to a 100 x 80 mm base and overlaps the torso 18 x 25 mm. No hidden weights or supports.

Zero-thickness geometric idealization; glue and card thickness are not simulated. Physical assembly and stability pending.

Part inventory (cut each instance once):

BASE: Wide display base

SL: Rear pedestal L

SR: Rear pedestal R

S01: Rear pedestal edge 1

S02: Rear pedestal edge 2

S03: Rear pedestal edge 3

S04: Rear pedestal edge 4

BL: Belly shell L

BR: Belly shell R

B01: Belly shell edge 1

B02: Belly shell edge 2

B03: Belly shell edge 3

B04: Belly shell edge 4

B05: Belly shell edge 5

B06: Belly shell edge 6

B07: Belly shell edge 7

B08: Belly shell edge 8

NL: Bent neck L

NR: Bent neck R

N01: Bent neck edge 1

N02: Bent neck edge 2

N03: Bent neck edge 3

Curled-tail Seahorse

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N04: Bent neck edge 4

N05: Bent neck edge 5

N06: Bent neck edge 6

N07: Bent neck edge 7

HL: Horse head L

HR: Horse head R

H01: Horse head edge 1

H02: Horse head edge 2

H03: Horse head edge 3

H04: Horse head edge 4

H05: Horse head edge 5

H06: Horse head edge 6

H07: Horse head edge 7

ML: Tubular snout L

MR: Tubular snout R

M01: Tubular snout edge 1

M02: Tubular snout edge 2

M03: Tubular snout edge 3

M04: Tubular snout edge 4

TL: Segmented curled tail L

TR: Segmented curled tail R

T01: Segmented curled tail edge 1

T02: Segmented curled tail edge 2

T03: Segmented curled tail edge 3

T04: Segmented curled tail edge 4

T05: Segmented curled tail edge 5

T06: Segmented curled tail edge 6

T07: Segmented curled tail edge 7

T08: Segmented curled tail edge 8

T09: Segmented curled tail edge 9

Curled-tail Seahorse

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T10: Segmented curled tail edge 10

T11: Segmented curled tail edge 11

T12: Segmented curled tail edge 12

T13: Segmented curled tail edge 13

T14: Segmented curled tail edge 14

T15: Segmented curled tail edge 15

T16: Segmented curled tail edge 16

T17: Segmented curled tail edge 17

T18: Segmented curled tail edge 18

T19: Segmented curled tail edge 19

T20: Segmented curled tail edge 20

T21: Segmented curled tail edge 21

T22: Segmented curled tail edge 22

T23: Segmented curled tail edge 23

T24: Segmented curled tail edge 24

T25: Segmented curled tail edge 25

T26: Segmented curled tail edge 26

T27: Segmented curled tail edge 27

FIN: Dorsal fin and flange

1. Prepare display base [BASE]: Use 250 gsm card for BASE and stand. Cut BASE 100 x 80 mm. Its rear edge is $y=-48$ and front edge $y=32$; the seahorse faces toward positive x . Keep flat.

2. Build Rear pedestal [SL, SR, S01, S02, S03, S04]: Lay SL face down. In printed perimeter order, fit S01, S02, S03, S04 to its matching edges. Fold the two 3 mm side lips 90 degrees inward; glue the lower lips to SL. Each short end flap folds to the next edge angle and glues inside that next wall. Work around the open 12 mm deep cavity; press seams with tweezers before proceeding. Dry, then glue SR onto the upper lips, pressing from outside against the dried wall rim. No interior access is required after this last lid.

3. Anchor the pedestal [SL, SR, S01, S02, S03, S04, BASE]: Glue the entire 18 x 12 mm pedestal bottom to BASE, centered left-right, 22 mm forward of the rear edge. Hold square and dry fully. Its front face will contact the rear of the torso over an 18 x 25 mm patch, $z=55$ to 80. The pedestal stays behind the curled tail with 8 mm clear depth separation.

4. Build Belly shell [BL, BR, B01, B02, B03, B04, B05, B06, B07, B08]: Lay BL face down. In printed perimeter order, fit B01, B02, B03, B04, B05, B06, B07, B08 to its matching edges. Fold the two 4 mm side lips 90 degrees inward; glue the lower lips to BL. Each short end flap folds to the next edge angle and glues inside that next wall. Work around the open 28 mm deep cavity; press seams with tweezers before proceeding. Dry, then glue BR onto the upper lips, pressing from outside against the dried wall rim. No interior access is required after this last lid.

5. Mount the belly [BL, BR, B01, B02, B03, B04, B05, B06, B07, B08, SL, SR, S01, S02, S03, S04]: Glue the rear belly panel BL to the pedestal front at $y=-14$. Align the belly bottom 55 mm above BASE. Use the full 18 x 25 mm contact patch between $x=-9$ and 9, $z=55$

Curled-tail Seahorse

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and 80. Support upright until dry; the broad base and rear pedestal are supplied paper components, not an invisible wire.

6. Build Bent neck [NL, NR, N01, N02, N03, N04, N05, N06, N07]: Lay NL face down. In printed perimeter order, fit N01, N02, N03, N04, N05, N06, N07 to its matching edges. Fold the two 3 mm side lips 90 degrees inward; glue the lower lips to NL. Each short end flap folds to the next edge angle and glues inside that next wall. Work around the open 20 mm deep cavity; press seams with tweezers before proceeding. Dry, then glue NR onto the upper lips, pressing from outside against the dried wall rim. No interior access is required after this last lid.

7. Join the curved neck [NL, NR, N01, N02, N03, N04, N05, N06, N07, BL, BR, B01, B02, B03, B04, B05, B06, B07, B08]: Seat the 18.97 mm neck bottom edge (-2,117) to (16,111) against the matching belly shoulder edge. Center the 20 mm neck on the 28 mm belly depth, leaving 4 mm on each side. Glue the complete edge-wall contact, then dry.

8. Build Horse head [HL, HR, H01, H02, H03, H04, H05, H06, H07]: Lay HL face down. In printed perimeter order, fit H01, H02, H03, H04, H05, H06, H07 to its matching edges. Fold the two 3 mm side lips 90 degrees inward; glue the lower lips to HL. Each short end flap folds to the next edge angle and glues inside that next wall. Work around the open 22 mm deep cavity; press seams with tweezers before proceeding. Dry, then glue HR onto the upper lips, pressing from outside against the dried wall rim. No interior access is required after this last lid.

9. Seat the horse head [HL, HR, H01, H02, H03, H04, H05, H06, H07, NL, NR, N01, N02, N03, N04, N05, N06, N07]: Glue the 12.53 mm head edge (1,151) to (12,145) onto the matching neck top wall. Center the 22 mm head over the 20 mm neck: 1 mm overhang each side. The sloping brow and lower jaw face right.

10. Build Tubular snout [ML, MR, M01, M02, M03, M04]: Lay ML face down. In printed perimeter order, fit M01, M02, M03, M04 to its matching edges. Fold the two 2 mm side lips 90 degrees inward; glue the lower lips to ML. Each short end flap folds to the next edge angle and glues inside that next wall. Work around the open 12 mm deep cavity; press seams with tweezers before proceeding. Dry, then glue MR onto the upper lips, pressing from outside against the dried wall rim. No interior access is required after this last lid.

11. Attach the snout [ML, MR, M01, M02, M03, M04, HL, HR, H01, H02, H03, H04, H05, H06, H07]: Glue the snout root wall from (31,143) to (37,151), length 10 mm, onto the matching head wall. Center its 12 mm depth on the 22 mm head, leaving 5 mm each side. The tube projects 25 mm diagonally forward; its closed end is a paper muzzle, not a breathing opening.

12. Build Segmented curled tail [TL, TR, T01, T02, T03, T04, T05, T06, T07, T08, T09, T10, T11, T12, T13, T14, T15, T16, T17, T18, T19, T20, T21, T22, T23, T24, T25, T26, T27]: Lay TL face down. In printed perimeter order, fit T01, T02, T03, T04, T05, T06, T07, T08, T09, T10, T11, T12, T13, T14, T15, T16, T17, T18, T19, T20, T21, T22, T23, T24, T25, T26, T27 to its matching edges. Fold the two 1.5 mm side lips 90 degrees inward; glue the lower lips to TL. Each short end flap folds to the next edge angle and glues inside that next wall. Work around the open 12 mm deep cavity; press seams with tweezers before proceeding. Dry, then glue TR onto the upper lips, pressing from outside against the dried wall rim. No interior access is required after this last lid.

13. Hang the curled tail [TL, TR, T01, T02, T03, T04, T05, T06, T07, T08, T09, T10, T11, T12, T13, T14, T15, T16, T17, T18, T19, T20, T21, T22, T23, T24, T25, T26, T27, BL, BR, B01, B02, B03, B04, B05, B06, B07, B08]: Glue the 10 x 12 mm tail root wall at z=55, x=0 to 10, to the underside of the belly. Center in depth, leaving 8 mm on each side of the belly. The polygonal curl stays 8 mm above the base. Use tweezers on its 1.5 mm lips; close the side lid only after every short segment seam has dried.

14. Mount the dorsal fin [FIN, BL, BR, B01, B02, B03, B04, B05, B06, B07, B08]: Fold FIN flange 90 degrees. Glue its 4 x 25.18 mm flange along the back wall from (-18,78) to (-15,103), centered on y=0 and extending toward y=-4. The scalloped membrane projects backward in the central plane.

15. Finish and allow to dry [HL, HR, BASE]: Draw one small eye on each horse-head side, 8 mm behind the snout root and 6 mm below the brow. Allow all joints to dry overnight on a level surface. Paper is modeled with zero thickness; do not force the tight tail corners. Physical stability and assembly remain to be verified.