

Sewing the simplified washable cloth 4-layer mask with nose-bridge and inner filter pocket

Based on <https://santacruz.ideafablabs.com/masks/>

Materials:

4 fabric layers, 100% cotton, 400 or 600 TPI,
one 4" wire,
two elastic straps: size varies by pattern

	Assembly Instructions
	Cut 4 pieces of fabric, 2 straight cut, 2 bias cut
	The design is intended to allow quick cutting. Two lower straight angle cuts. Two upper curves. You can make sturdy pattern form and run rotary cutter around it or use quilter's ruler. Fast with scissors too. Form each part with 2 layers: 1 straight, 1 bias.
	2. Front part
	2a Fold each layer on center line, front side in. Sew nose dart on each separately. Use dot on half-pattern to locate bottom point.
	2b Unfold front layers and align tops. Sew nose wire casement seam; starting at the middle point of the top, go $\frac{3}{4}$ " in from the edge, turn and continue to the middle of the other side, then close. The wire will later go into this box.
	2c Sew chin dart, refolding the two layers on the center line. Use dot on half-pattern to locate top point. Trim excess fabric inside the triangle of the dart. (1 $\frac{1}{2}$ in.)
	2d Sew side seams, folding sides $\frac{1}{4}$ in. toward inner side
	3. Back part
	Fold the two back layers together on center line. Sew nose dart on both together. Sew chin dart (1 $\frac{3}{4}$ in to corner). Trim excess inside the dart. Unfold and sew side seams toward inner $\frac{1}{4}$ in. on either side



4. Attach front and back parts

Place parts face-to-face (inside out). Place wire in casement between front layers. You will want to pin the wire in place, aligning the two parts. Sew top seam and sew bottom seam to join front and back parts.



Turn right-side-out through the side



5. Place elastic at side corner and double stitch

When making several masks, it will be faster to do each step for all the parts of all the masks.

2-layer Further Simplified Mask

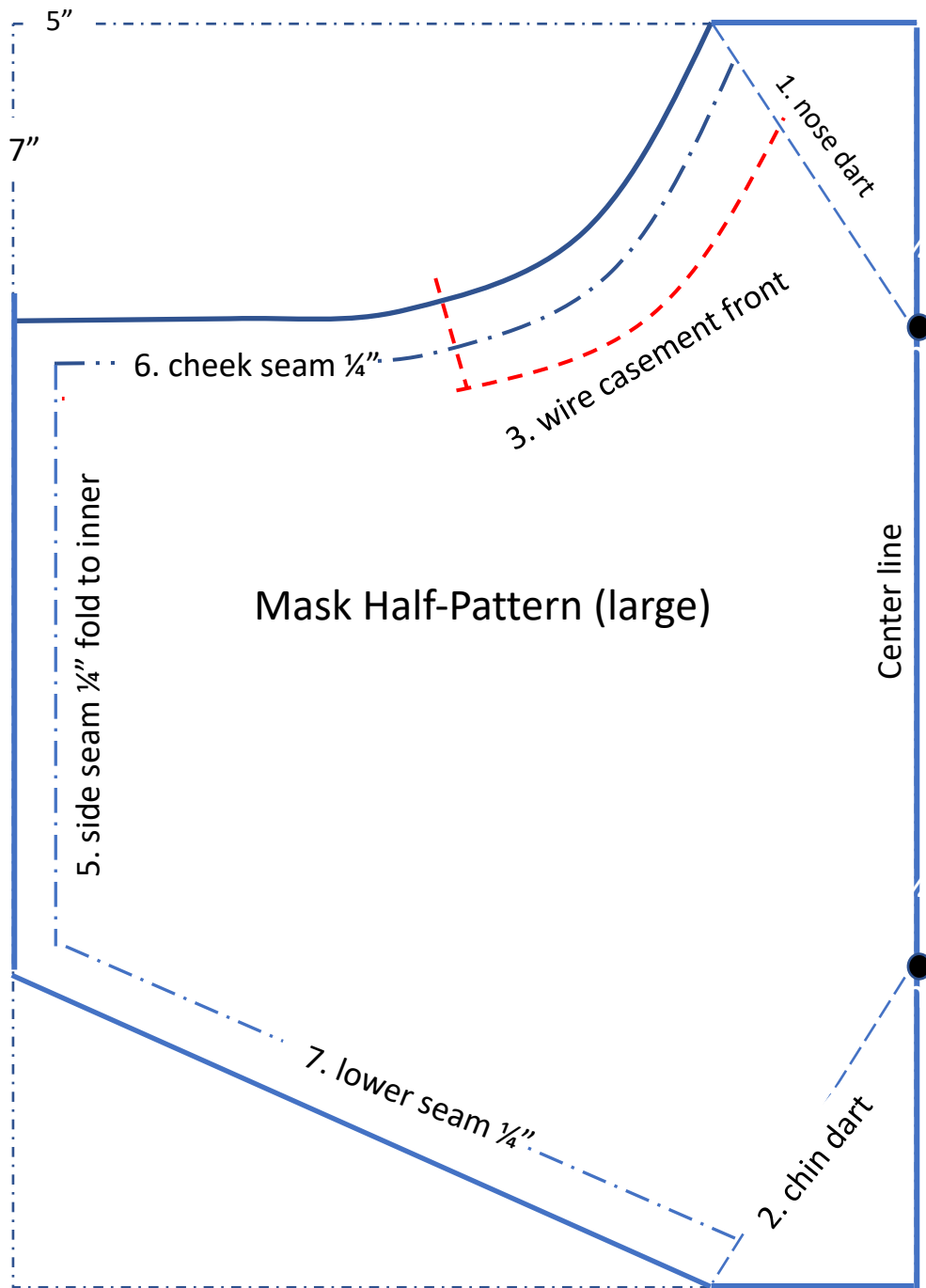
The pattern works well for a 2-layer mask as well. For the lesser threat setting for which the 2-layer is appropriate, it is also natural to skip the wire nose bridge. The process is MUCH less work.

- Cut 2 pieces
- Fold each at center line toward face.
- Sew nose dart and chin dart in each. Trim excess.
- Open and sew edge seams.
- Place the two face-to-face. Sew top and bottom seam.
- Turn right-side out. Sew elastic in the corners.

Mask Half Pattern (large)

Notice size of printed pattern. Adjust scale to print desired size.

To form full pattern, fold back on center line. Fold 8 ½ x 11 paper in the middle and place in the center line crease or pattern. Cut both.

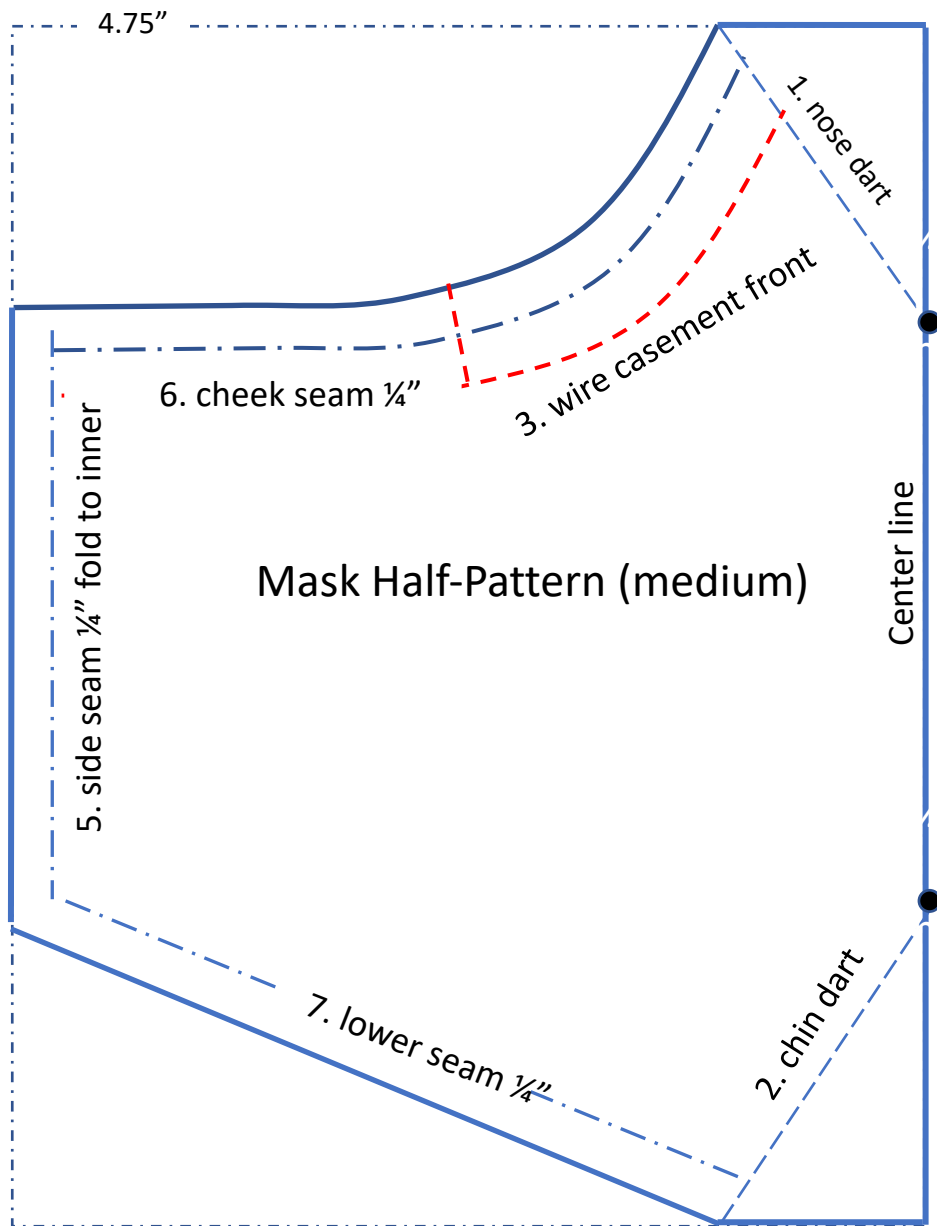


Straps: 13.5" top, 10" bottom

Mask Half Pattern (medium)

Notice size of printed pattern. Adjust scale to print desired size.

To form full pattern, fold back on center line. Fold 8 ½ x 11 paper in the middle and place in the center line crease or pattern. Cut both.

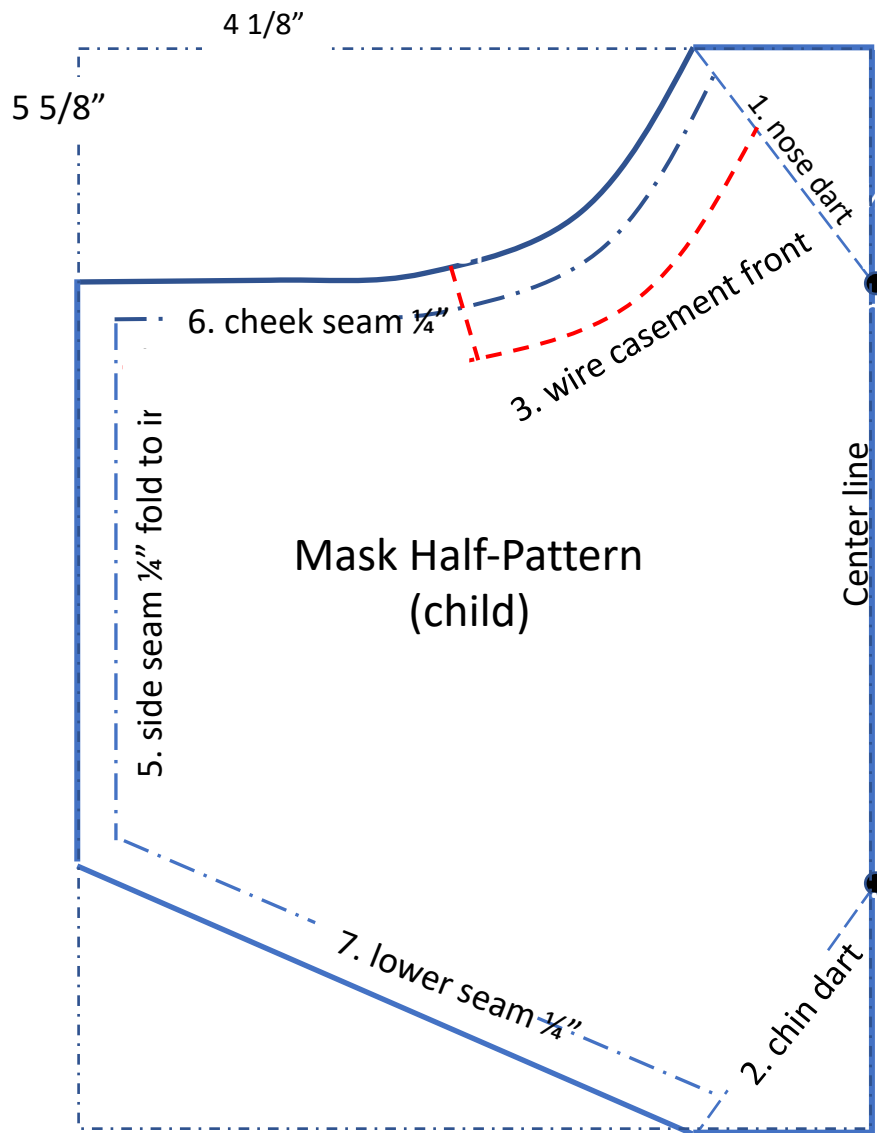


Straps: 14" top, 10" bottom

Mask Half Pattern (adult small or child)

Notice size of printed pattern. Adjust scale to print desired size.

To form full pattern, fold back on center line. Fold 8 ½ x 11 paper in the middle and place in the center line crease or pattern. Cut both.



Adult Small Straps: 14.5" top, 10" bottom

Child Straps: 10.5" top, 8" bottom