

Duckbill Surgical Mask made with Steri-wrap or Halyard sterilization wrap



Original Duck bill surgical mask



New duck bill surgical mask from steri-wrap

SURGICAL "Duck bill" Style masks (no filter) For ER and office use.
Should be made from steri medical material (used for autoclaving instruments).
Can be sterilized and laundered, and reused.
They prefer these because they don't touch their lips, so they can talk to patients.

Materials:

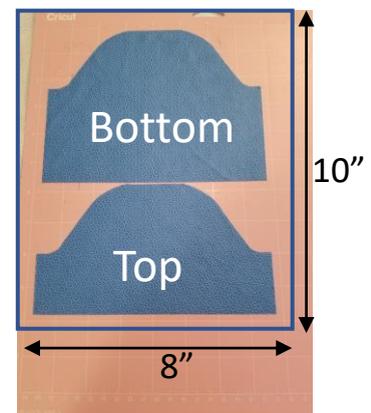
One 8" x 10" Piece of 2-layer Steri-wrap (2 pieces total, typically one side blue, one side white)
Two $\frac{3}{4}$ " wide strips of Steri-wrap between 36" and 40" long
1 piece 18-gauge aluminum jewelry beading wire, 5" long

Using the patterns on the next pages, cut 1 Top from blue and 1 Top from the white, and 1 Bottom from the blue and 1 bottom from the white.

You can also use a Cricut machine. The Maker with its rotary cutter works best, but either the Maker or the Explore Air will also cut the Steri-wrap using the Bonded Cotton setting and a fine-point blade.

Find the Cricut design at: <https://design.cricut.com/landing/project-detail/5e83ced3c9856a03a84d2e1b>

Pattern layout

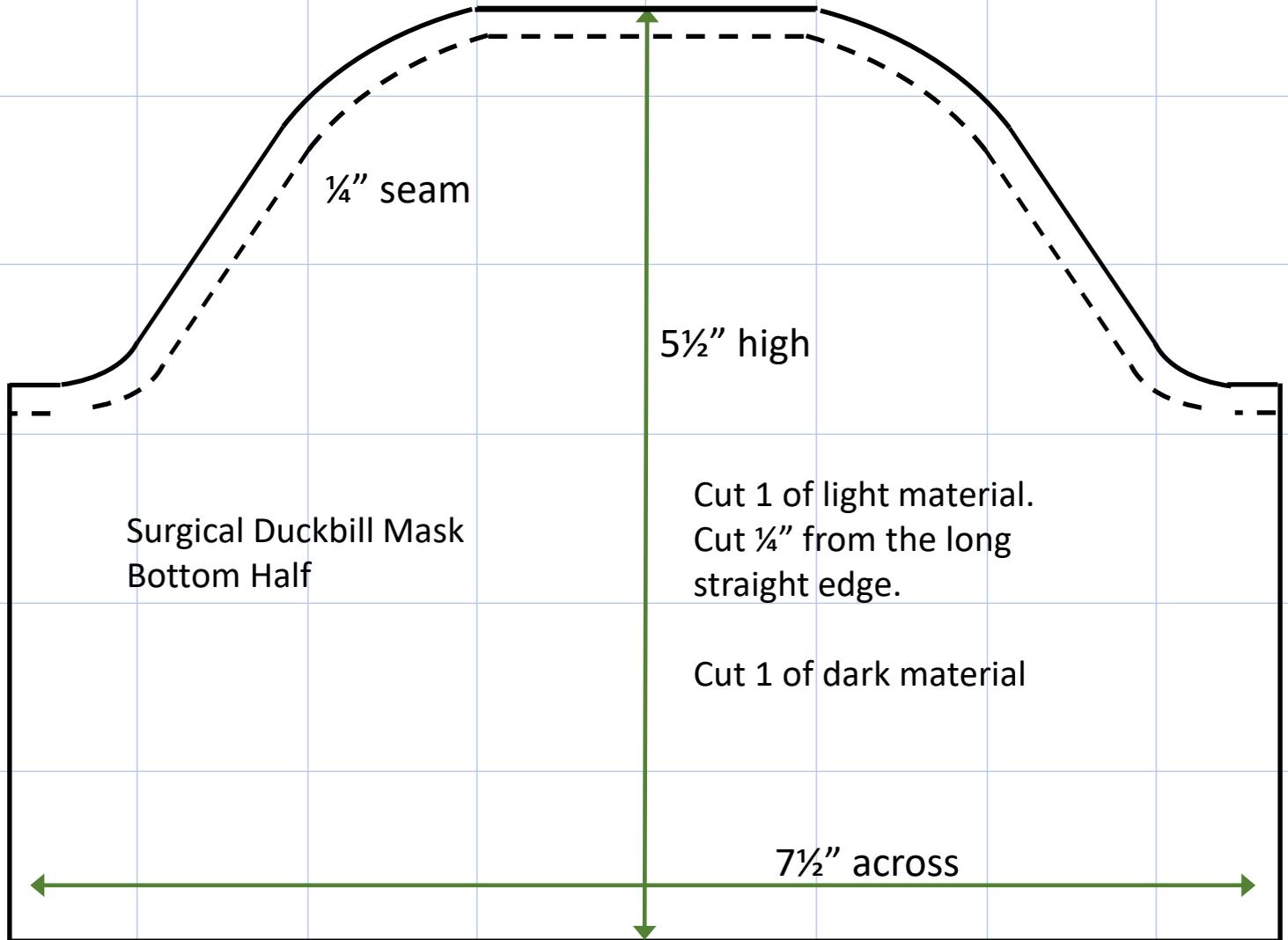


Special note about sewing with this non-woven material:

This fabric will MELT very easily at higher temperatures. DO NOT use an iron. Just use your fingers to finger-press, and Wonder clips or small binder clips, as needed, to hold pieces in place.

Melted from iron!





Surgical Duckbill Mask
Bottom Half

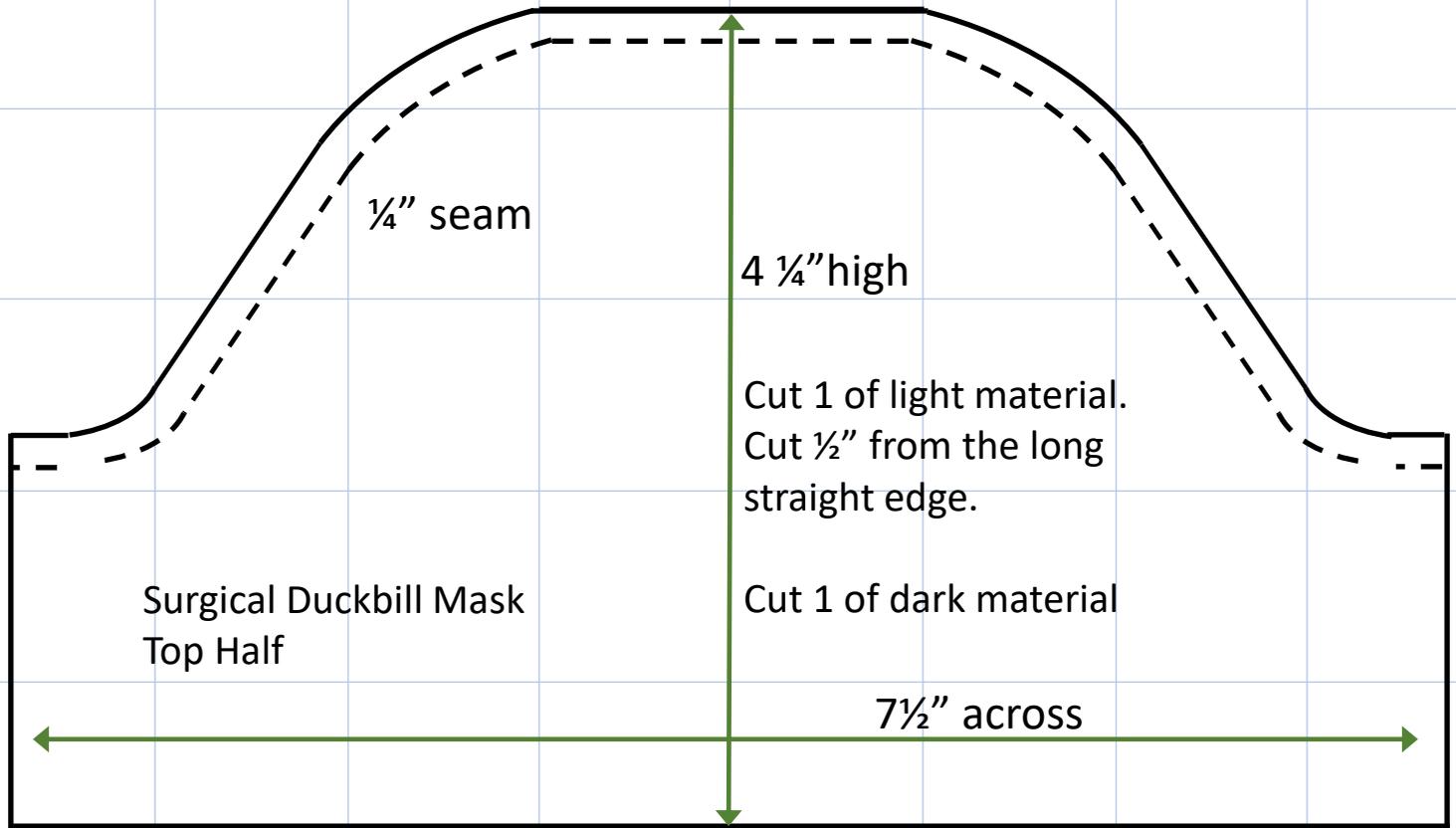
$\frac{1}{4}$ " seam

$5\frac{1}{2}$ " high

Cut 1 of light material.
Cut $\frac{1}{4}$ " from the long
straight edge.

Cut 1 of dark material

$7\frac{1}{2}$ " across



Step 1:

- Lay each white piece, Top and Bottom, on its corresponding blue piece.
- **Match the curved edges** of white and blue, as shown.
- On the larger Bottom section, the blue piece will be $\frac{1}{4}$ " longer than the white piece.
- On the smaller Top section, the blue piece will be $\frac{1}{2}$ " longer than the white piece. 



Form a hem:

On each section, Top and Bottom, fold the excess blue edge over the white edge, finger press and clip.

The smaller Top section will have a $\frac{1}{2}$ " hem.

The larger Bottom section will have a $\frac{1}{4}$ " hem.

(Note—If pins are used, they should stay in the small hem allowance.)

Stitch the hem:

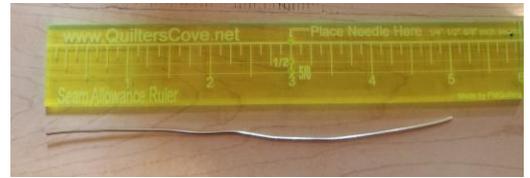
On each section, Top and Bottom, straight stitch the folded blue hem, catching the edge of the white section in the stitching.



Step 2: Add a nose wire



Cut a piece of aluminum beading wire, 18 gauge, to 5" long



Use small needle nose pliers to form both ends of the wire into a small loop.

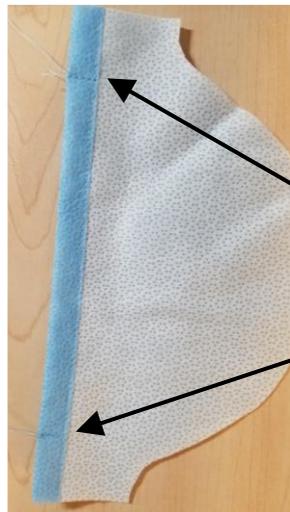
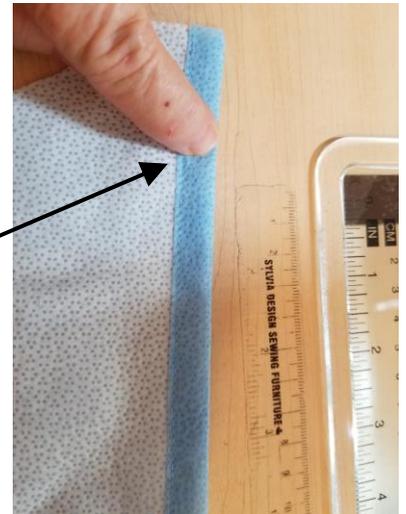
Be sure the cut end is secure and even with the straight part of the wire.



Slide the wire into the 1/2" hem on the Top section.

Slide it all the way into the hem until it is centered along the hem.

End of wire loop



Stitch across the hem of the Top section at both ends of the wire, about 1" from each end, to hold the nose wire in place.

Step 3: Sew the mask together



Place the Top and Bottom sections together, blue sides together, matching the curves. Hold together with clips. If pins are used, they must stay within $\frac{1}{4}$ of the cut edge.



Stitch the entire curved edge, using a $\frac{1}{4}$ " seam, with a small stitch (2mm)



Carefully clip the seam at the curves at each end, taking care not to cut through the stitching. One small snip is enough.

Step 4: Sew the ties to the mask

Fold one of the long ties in half, as shown. Finger crease to mark center of length.



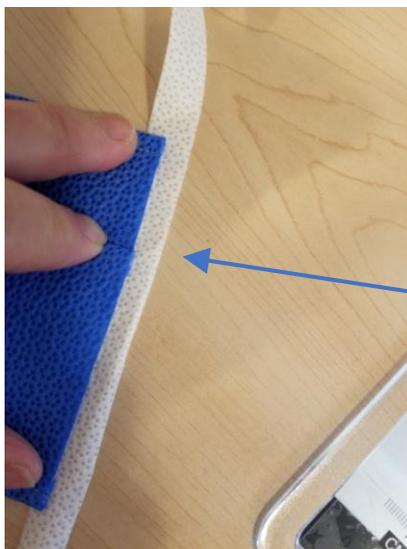
Step 3, continued:

Fold the straight part of the bottom section back, as shown.

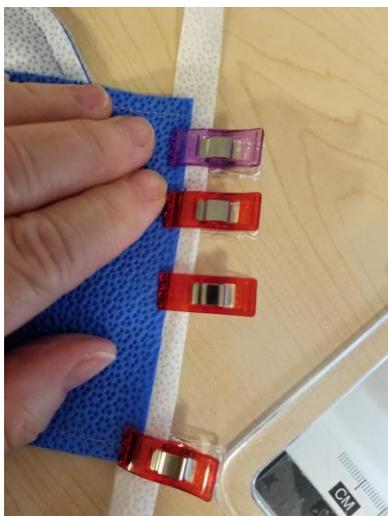


Lay the mask over the tie, as shown, matching the center crease on the tie with the seam on the mask.

NOTE: Ties may be blue or white. They should be a single layer.



Crease matched to seam.



Stitch mask to tie, close to the edge of mask.



Fold edge of tie over mask edge.

Stitch again to secure mask to tie, backstitching at each end.

There is no need to stitch the entire length of the ties.

Step 4:

Repeat on other side of mask to attach the second tie.



Turn mask blue side out.

The nose wire can be formed to fit the mask across the user's nose.



Your mask is done!



These masks can be laundered, using normal laundry detergent.
Air dry or machine dry on LOW.