

MakerMask: Cover



Materials and Tools

- Pattern (see final page)
- Clean non-woven polypropylene shopping bag (warm wash & low heat dry)
- Straps/Bias tape, 1/2" double folded
- Sewing machine
- Thread
- Scissors, pins, etc.

Instructions

Step 1: Print and prepare the pattern

Print out the mask pattern on Letter-sized (8.5" x 11") paper. Check that the measurements shown on the reference square of the printed page are accurate - otherwise you may need to adjust your printer's scale settings.

Cut the pattern out. Please note this pattern's seam allowance is 1/4" (6mm).

Step 2: Cutting

Fold the fabric in half. Place the pattern on the folded edge where indicated. Cut mask pattern out of the fabric.



These instructions do not guarantee protection against transmission of any diseases. Commercially available masks meet regulatory guidelines, but homemade masks may not and are to be used at your own risk. Due to variability of materials and construction, the mask's safety or effectiveness for personal protection is not proven and cannot be assumed.

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Step 3: Sewing mask body

Sew from the top of the fold to the top of the mask, stitching $\frac{1}{4}$ inch from the edge. Then sew seam from the bottom of the fold to the bottom of the mask.

Fold over and sew side hems.



Step 4: Sewing the straps

Note: *These instructions are for double-folded fabric tape material creating the strap. If you don't have bias tape, you can make your own straps.*

Cut two 36" (91.4cm) long pieces of $\frac{1}{2}$ " (1.2cm) double-fold bias tape for the head ties.

Unfold the bias tape and position the middle of the tape to the middle of the mask. Sew to the inside of the mask cover, $\frac{1}{4}$ inch from edge.



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Fold the bias tape over to the outside of the mask and top stitch the full length of the tape to make finished straps.

Repeat for the lower edge of the mask.



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Additional Information

The MakerMask:Cover is designed to wear over other masks as a droplet cover to reduce the level of moisture reaching the primary mask. This can help prolong the use of commercially available N95 masks.

Sterilize before use

Masks should be sterilized before use. While autoclaving is ideal, home users can submerge the masks in boiling water for 10 minutes.

If you need assistance distributing your masks, we are partnering with the community to provide the best information as it becomes available. Check our website makermask.org for the latest information.

The MakerMask:Cover design is made from a single layer of non-woven polypropylene.

Non-woven polypropylene (NWPP) Bags

Despite being called “non-woven”, NWPP is pressed with a cross pattern that gives it a woven appearance. A common source of NWPP is reusable shopping bags.

Look for reusable grocery bags with a cross-hatch pattern, no insulation or waterproofing. Hold it up to your nose / mouth, you should be able to breathe through it. NWPP bags can be safely laundered.



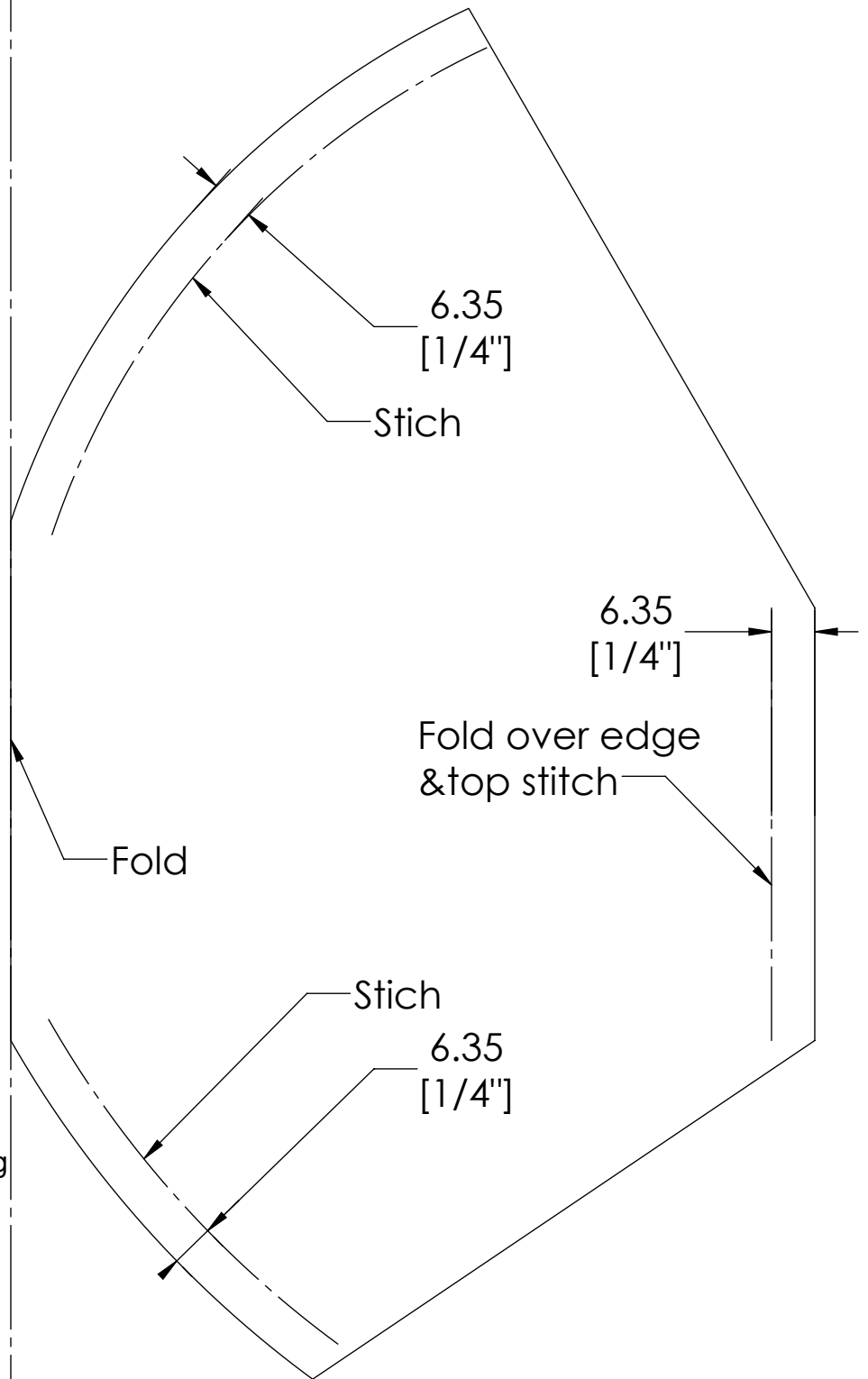
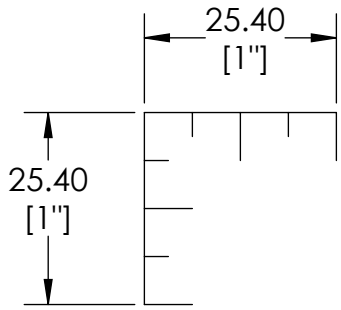
Fabric Ties

For securing the mask to the face, bias tape is a great option and commonly found at craft stores. Alternatively, ties may be fashioned from clean strips of NWPP, shoelaces, or other available material that is machine washable and long enough to tie around the head.

Elastic may cause severe reactions in individuals with a latex allergy, does not generally hold up as well to the heat of sterilization, and therefore should not be used.



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All measurements in mm and [inches].
 Print on Letter-size paper as template, fold at
 center line and cut out pattern