

Mask Production 2020

May be worn alone or over an N95 for isolation precautions to extend N95 use when appropriate during a severe shortage of available PPE. Intended for reuse after laundering. If N95 is visibly soiled, it must be discarded.

Materials

OR linens or other breathable water repellant fabric, such as durable 55%/45% polyester/cotton blend or similar

Pins

1/4" or 3/8" wide Elastic – white or black

Thimbles

Fabric Scissors

Heavy paper for patterns: 9" x 15" & attached mask pattern

Cardboard – optional (**tip: use a 9.5" piece of cardboard to loop around 10-15 times to cut all at once to produce 20-30, 9.5" pieces)

Sewing Machine

Thread

PREP – Estimated time 3 minutes per unit

Station 1: Cutting

Cut a rectangular 9" x 15" base paper pattern

Fold fabric in 4 layers

Lay 9" x 15" base pattern on top of 4-layer fabric

Cut around the base pattern

Station 2: Pinning

Take 2 cut sheets and fold in half to make 4 layers

Cut mask pattern per attached sample (8.19 x 5.4")

Pin mask pattern to cut 4-layer fabric using 4 pins around the outside

Station 3: Cutting

Cut the fabric for the mask pattern

Station 4: Finishing

Remove pins and paper pattern from cut fabric

Separate 4 fabric pieces into 2 sections of 2 layers of fabric each

Pin 2 piece sections around curved edge vertically, every 2"

Station 5: Elastic

Cut elastic into (2) 9.5" sections.

Insert (1) elastic into each 2-piece pinned section through the flatter open edge (opposite from the edge that is pinned)

Check to be sure elastic is not twisted inside the section.

Once elastic strip is inserted into the opening and placed flat in a U shape, center the new elastic ear loop and pin down each end of the elastic strip 3" apart - EVEN with the edge of the fabric (**tip: create a 3" line on your table as a guide**)

Use your completed 2-piece section as a guide for the other section to keep ear loops even

Place a single pin through middle of the 2 sections to make one unit, ready for sewing

Station 6: Quality Control

Examine product and correct any defects before advancing to sewing

Station 7: Distribution

Count and log mask units before issuing for sewing distribution. Record the name of the person picking up inventory. Ensure timely turnaround time of assigned masks, and do not over allocate to a single sewing resource.

SEWING

Each mask uses 4 cut pieces of fabric. For added durability, you can use zig-zag stitch and backstitching as deemed necessary.

1. If not yet assembled, pin two pieces together on side where pattern indicates First Seam line, pinning ends of elastic inside, between pieces where indicated by notches.
2. Following the First Seam line on pattern, sew seam using a 1/2 inch seam allowance for GREEN fabric (regular size mask) or 5/8 inch for BLUE fabric (small mask).
3. Turn two halves inside out so that the straps are exposed.
4. Line up and pin the center (nose) seam.
5. Sew both sides together through all 4 pieces of fabric approximately width indicated on pattern.
6. Examine product, correct any defects and snip any extra threads.

Mask Cover Pattern

Cut 4



