

Instructions for Sewers: Med-Grade Masks

You can find this guide online: bit.ly/medgrademaskinstructions

Thank you for volunteering to sew med-grade masks to protect our frontline heroes. You're a crucial part of our community-made supply chain. You're part of a network of groups working together led by MI Face Mask Warriors.

Questions? Please contact your drop zone leader, or go to www.findthehelpers.us.

READ through this 3-page guide COMPLETELY before starting. Here you'll find four sections:

- ❖ Sewing Instructions
- ❖ Sewing Tips + Tricks
- ❖ Sewing Do's and Don'ts
- ❖ Care + Use of Med-Grade Mask

1 / Sewing Instructions

HANDLING + PREP

Clean + Sanitized Workspace

Please use EXTREME safe hygiene while handling all materials and disinfect any surfaces or tools your materials touch. Many CLEAN and WASHED hands make light work!

What You'll Need

Sewing machine, thread, needles, clips (no pins!)

PICK UP YOUR KIT

Find Your Nearest Drop Zone

Pick up your fabric kit bag of 25 or 50 at your nearest drop zone leader's home. To find your drop zone, go to www.findthehelpers.us and sign up as a helper. NOTE: This fabric is not cotton, it is a 2-layer (1 blue layer + 1 white layer) SMS non-woven polypropylene, so take care to not rip. Included in your kit: fabric for mask, ties, and 5" metal nose pieces

HOW TO MAKE THE MASK

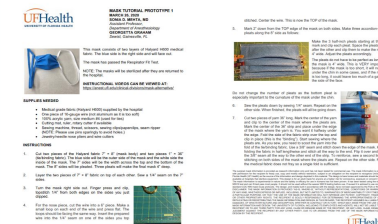
- ❖ How to Sew Halyard Mask: 10-Min Video Tutorial

<https://youtu.be/Hkbb6RPq6WQ>



Univ. of FL Anesthesiology:

<https://anest.ufl.edu/files/2020/03/PROTOTYPE-1-TUTORIAL.pdf>



- ❖ Original Sewing Instructions -

DROPOFF FINISHED MASKS

Where to Drop off Masks

Please return all finished masks to your drop zone. We have a detailed database where your masks are needed, and we're working down the list as fast as we can. We do ask that you return all masks as part of this collective effort to work toward zero. Meaning - all facilities requesting masks will get them, thanks to volunteers like you!

If You Receive a Request for Donation

Please direct the facility to <https://findthehelpers.us> they can enter their request for masks, and all PPE through this site.

2 / Sewing Tips + Tricks

(Have a problem or sewing question? Go to the MI Face Mask Warriors Facebook page! You'll see tips and read what other sewers are saying about sewing this Halyard mask. Search "MI Facemask Warriors" or go to <https://www.facebook.com/groups/1664608753680231>)

Ties

Cotton is an alternative tie material and is often faster to sew. You can use our instructions the same way, just substitute cotton.

Serging can be done on the edge of the tie to create a strong bond on the Halyard material.

Serging can also be done on the outer edge of the cotton ties to create a strong and quicker stitch.

Various stitching methods can be used that are quicker and strengthen the ties, such as zigzag and serging.

Metal Nose Piece

Place the metal nose piece inside the mask and do a simple zigzag stitch to hold it in place. This will allow the nose piece to stay in place and avoid the risk of piercing the fabric. This will also decrease sewing time.

Please ensure that the edges of the metal are not sticking out from the mask to prevent damage to skin.

Any thread can be used if it can withstand heat. If you are testing materials, please ensure that you check the material's manufacturer specifications for heat tolerance and use.

3 / Sewing Do's + Do Not's

DO NOT

- Do not wash the Halyard material.
- Do not wet Halyard material.
- Do not iron Halyard material.
- Do not use pins. Instead, please use paperclips, sewing clips or alternatives to pins wherever possible.
- Do not Write on the fabric.

DO

- Follow all instructions.
- Please be aware that the masks must pass fit testing. Both of our prototypes have passed fit testing.
- Use various types of metal for the nose wire such as 16 gauge wire curled on the ends. Please be aware that some metals will become more rigid than others with repeated movement.

4 / Care + Use of Med-Grade Mask

SEWERS (Do not sanitize or wear - this is for medical facility or mask user only!)

Sanitize by heating at 165 degrees for 30 minutes. This can be done on a cookie tray in the oven or in a standard dryer on the highest heat for at least 30 minutes.

Tie mask snugly over face and press nose wire tight to nose. The mask should seal to the face.

IMPORTANT! DO NOT WET

Do not wash, wet, or write on the mask. Do not iron material.

ABOUT THIS MATERIAL

This mask is made from Halyard sterilization fabric which is a SMS Non-Woven (polypropylene).

It does NOT contain natural rubber latex or DEHP. To read the entire spec sheet for the material:

www.vingmed.dk/wp-content/uploads/sites/3/2017/03/Technical-Data-Sheet_H300.pdf or for more details:

www.halyardhealth.co.uk/media/17530073/hc465-03-uk_compliance_2015.pdf