



COVID Ranger Mask Cover Instructions

SUPPLIES

- Printable pattern or a set of four ready cut pieces
- Fabric shears
- Paper scissors if cutting patterns
- Needle nose pliers
- Pins
- Thread
- 1"mm Craft wire or floral wire for the nose channel
- Cotton Twill Tape Ribbon ([example](#))
- Or you make the straps from any fabric you have

IMPORTANT

- Wash fabric before cutting and sewing
- Then wash the finished mask cover again to help minimize contamination
- (Do not use fabric softener or dryer sheets please)
- Do not allow other people near your workstation or to handle the fabric, again this minimizes possible contamination
- After you have washed your finished products, place them in a zipper-type storage bag

PATTERN & CUTTING INSTRUCTIONS

Below are links to two pattern sizes. Pick one of them, download the pattern and print that same pattern twice in order to get started. Make sure to check your scale on the pattern after printing.

[MEDIUM PATTERN](#)

[LARGE PATTERN](#)

TIP: Trace on card stock, regular paper, or anything you prefer to give you a reusable pattern.

Step: 1 The fabric

cut_pattern_0

Please select tight weave 100% cotton fabric.

Wash the fabric before you get started.

Some volunteers report that ironing the fabric makes it easier to cut and work with, but that is not required.

Step: 2 Prepare the pattern

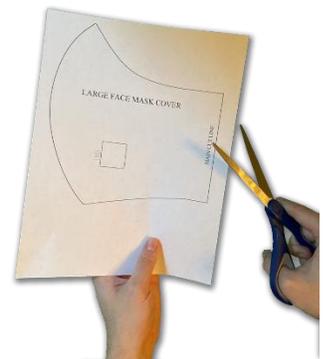
cut_pattern_1

Print out your downloaded PDF pattern on a letter size page.

Only one pattern is necessary, but you might find it helpful to have 2 patterns.

When you print the pattern for the first time, use a ruler and make sure that the size is correct by measuring the 1x1" box. If it's not, please make sure that you are printing the PDF in full page mode without margins. If you get stuck get some help from your Facebook group.

You are going to need two re-usable patterns per volunteer in your household.



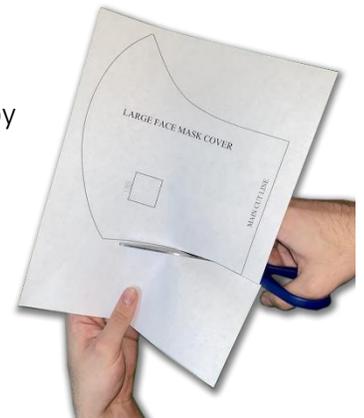
Step: 3 Cut the pattern

cut_pattern_2

After you print out your downloaded pattern you need to cut it to the correct size by tracing the outer line.

Use paper scissors.

Cutting on the line is ok.



Step: 4 Pin the pattern

cut_pattern_5

Lay the patterns out on the fabric.

Fold your fabric and place your patterns on top as shown in the photo. It does not matter which way you fold the fabric.

To speed things up, you can fold your fabric over twice and use one pattern to cut 4 at once. You will need some good sharp shears to do this.

You can pin the pattern to the fabric to keep it from moving around while cutting.



Step: 5 Cut out the pattern

cut_pattern_7

Grab your fabric shears and cut out the pattern.

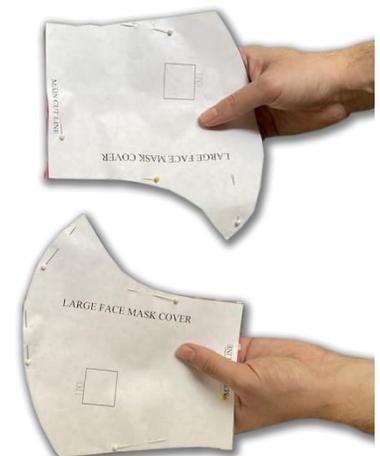


Step: 6 Complete cut

cut_pattern_8

After cutting both you will end up with two perfectly cut and pinned pieces.

It is ok if there is a little fabric sticking out. It will get folded in during the sewing process.



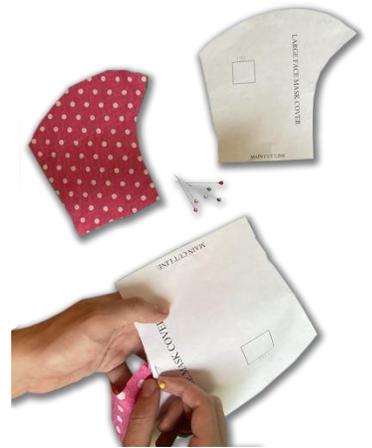
Step: 7

cut_pattern_9

Remove the pins and make sure you do not lose any.

Save the re-useable patterns for your next cut.

TIP: If you use the same pin holes you can make your cut patterns last a long time.



Step :8

cut_pattern_10

Whether you folded your fabric once and cut 2 patterns or you folded your fabric twice and cut 1 pattern, you should end up with 4 cut pieces.

It is helpful for those sewing if you pair up the pieces with right sides together. Four pieces are used to make one mask cover (2 in one color and 2 in another color).



STITCHING GUIDE FOR MASK COVERS

This is the official guide for how to create a mask cover the way our medical reviewers tell us they want them made. We opted to go with a very verbose picture rich guide in order to help as many volunteers as possible successfully create the mask covers.

We used two different fabrics in order to make the guide easier to follow. You do not need special lining fabric to stitch the mask cover.

The seam allowance for the mask cover is 5/8" of an inch. The only exception is the first curved stitch in steps #1 and #2; it has a 1/4 inch seam allowance.

Stitching the lining

Step #1

st_01 st_02 st_03

We are going to make the center line of the face mask cover. Place the two pieces of the lining together with the right sides of the fabric facing each other.

Stitch it along the curve. The seam allowance is 1/4 inch.



Step #2

st_04

Repeat the same process for the front of the mask cover.

Place the two pieces of the front together with the right sides of the fabric facing each other.

Stitch it along the curve. The seam allowance is 1/4 inch.



Step #3 (Informative)

st_05

When done you will end up with the inside and outside lining of the mask cover.



The nose strip

The nose strip needs to be **at least 3"** long. You may use twill tape, seam binding, or ribbon. Please make sure to use a material that will not fray.

Step #1

st_06

Tip: Before stitching the nose strip, spread the seam apart on the back.



Step #2

st_07

On the other side, place the center of the nose strip against the opened seam.

Don't forget to make sure the nose strip is **at least 3"** long.

There is no need to insert a wire; we will insert at Covid Rangers HQ before delivery.



Step #3

Pin the nose strip to the lining. Try to follow the curve of the fabric as much as possible as it will help the wire fit correctly across the bridge of the nose.

Only stitch the top and the bottom; we need to leave the sides open in order to later be able to insert the wire before delivery.



st_09



st_08



st_11



st_10

Finish the edges of pockets

Step #1

st_12

Fold the pocket opening twice, about 1/2 inch for each fold.

This is done in order to prevent fraying and create a needed gap between the pocket and the front part of the mask cover. We need that space in order to create the fold for the straps.

The strap process is described later on.



Step #2

st_13

Stitch the folded up edge in place.



Pin the lining

Step #1

st_14

Line up the lining with the front of the mask cover starting at the nose seam.



Step #2

Pin the top first in order to make sure that the nose strip is as aligned as possible. Then go ahead and finish pinning the top and the bottom leaving the sides open for the pocket.

The front fabric should be about an inch or so larger than the lining. We will use that space to create the strap channel later on.



st_15



st_16



st_17

Sew fabric together

Step #1

Sew along the top and the bottom in order to connect the front with the lining while creating a pocket in between. Remember to not sew the sides in order to leave an opening for the pocket.



Step #2

st_27

Here is the completed stitching. Cut any off excess thread.



Step #3

Turn the work right side out.



The top stitch

Step #1

Flatten out the seam and pin it down in order to make a good top stitch.



Step #2

st_35

Make a top stitch all the entire length of the top and bottom.

Do not stitch the side openings!



Step #3

Stitch the top of the mask cover making sure you start from the outer edge of the front fabric.



st_42

st_41



st_44

Step #4

Stitch the bottom of the mask cover making sure you start from the outer edge of the front fabric.



st_36



st_38

Making the strap channel

Step #1

You need to make two folds. The first fold is a small fold 1/4" in order to prevent fraying. The second one goes all the way to the pocket in order to create space for the strap to go through.

Once pinned stitch along the edge in order to leave space for the strap to move freely.



st_47



st_46



st_51



st_50

Create the strap

We are going to create a single long strap that will go through the strap channel and come out on both sides of the top of the mask cover. Doctors will place the bottom loop on the lower side of their head, and tie the strap from the top of the mask to the back of their head. See the "How the straps works" for more detail.

You can also use the following options instead of twill tape.

1. Use single fold or double fold bias tape. Cut a 44 inch strip. Stitch along open edge.
2. Cut a 1 ½" wide x 44" long strip of fabric. Turn in ¼" on each side. Press. Fold in half lengthwise. Forming a ½" wide strap. Stitch along length of strap.

Step #1

Cut a 40" length of twill and secure the end with a zig-zag stitch.



Insert the strap

Step #1

Attach a safety pin at the end of the strap. Use the rigidity of the safety pin to pull the strap through the channels.

Starting at the top left insert the strap going downwards. Pull the strap through leaving about 10" on the top left of the mask cover. Insert the strap on the bottom right side and pull it through the channel and out the top.



st_58



st_60



st_61

How the straps work

This section is added in order to provide context on how the straps are used. Doctors like to be able to untie the top strap and have the mask hang on their chest when they are on break.



st_66

