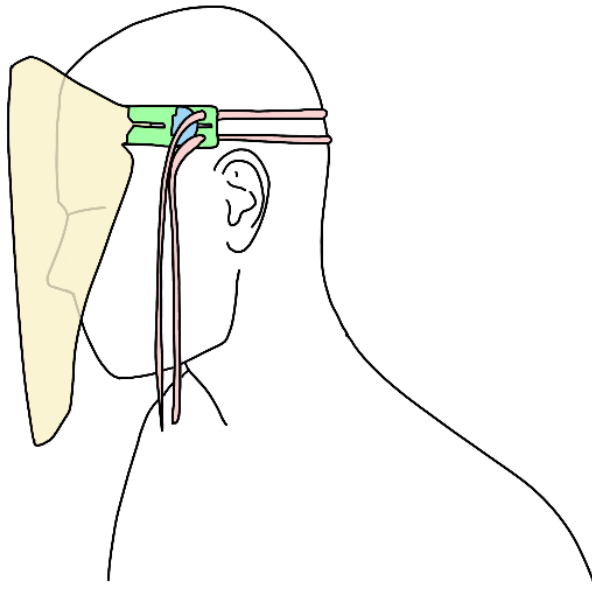


Face shield mask fabrication instructions



This face shield is developed as emergency alternative for places where there is a low supply or access to personal protective equipment (PPE). It is quick to produce through flat material fabrication processes: Laser cutting, drag knife plotting, rule die cutting or manually.

During the development of this mask many other great projects have been published. Please have a look at these projects to determine which best suits your needs with the resources at hand:

<https://ngs2020.nl/>

<https://www.prusaprinters.org/prints/25857-prusa-protective-face-shield-rc2>

<https://www.delve.com/assets/documents/OPEN-SOURCE-FACE-SHIELD-DRAWING-v1.PDF>

<https://open-face-website.now.sh/>

We want to give a special thanks to any opensource project for sharing their efforts publicly.

Important to note is that people who assembly and fabricate the mask should be *healthy* and wear proper protective equipment such as *gloves* and *respirator mask*.

Please visit our website for information: <https://reggs.com/facemask>

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Materials

- Plastic parts: 0.3 mm (300 micron) PVC/ PET foil

*Any other flat rigid transparent material will also work such as PP.

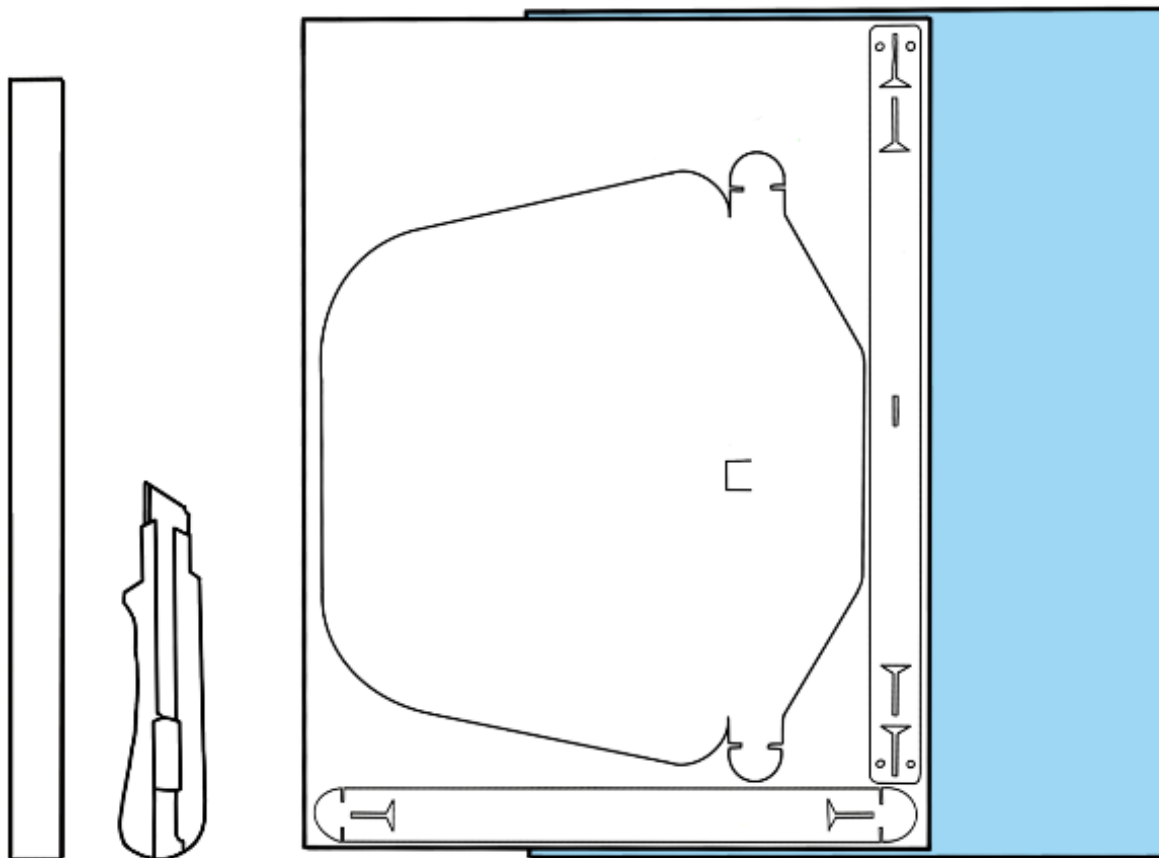
** IMPORTANT if you choose laser cutting as manufacturing method to preferably use PET instead of PVC as toxic fumes arise from thermal processing

Source: <https://discountoffice.nl/p/gbc-voorbladen-gbc-a3-pvc-300mic-transp/>

- Head strap: shoelace or any flat rope will do.

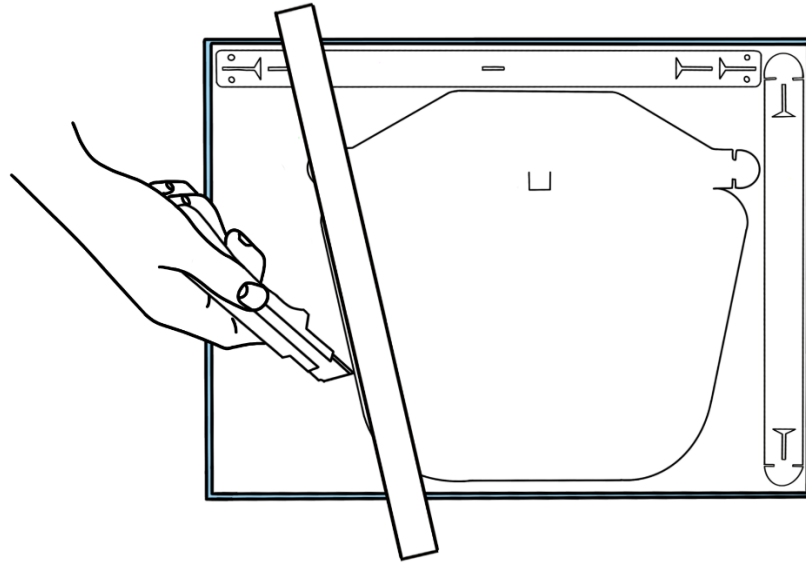
Manual cutting necessities

- Printed A3 template on paper (available on reggs.com/facemask)
- Cutting mat
- Cutting blade
- Cutting ruler
- Scissor
- Protective mask and gloves

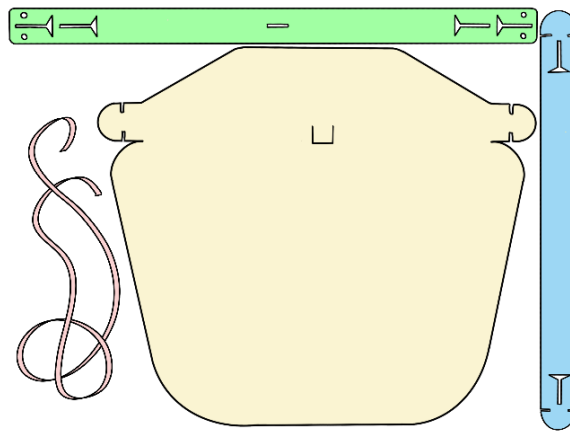


INSTRUCTIONS:

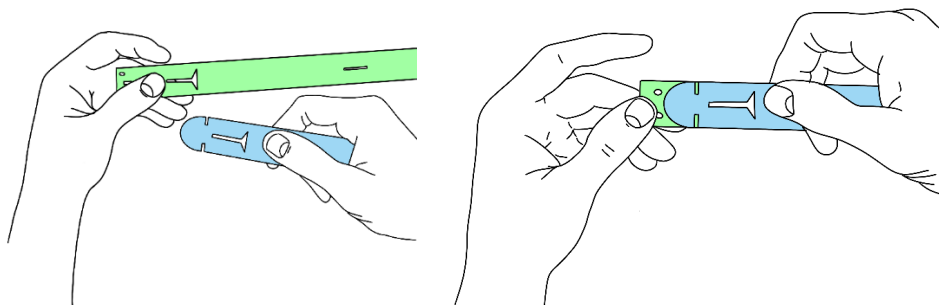
1. Cut plastic
Cut the two
straps and
shield from the
template.



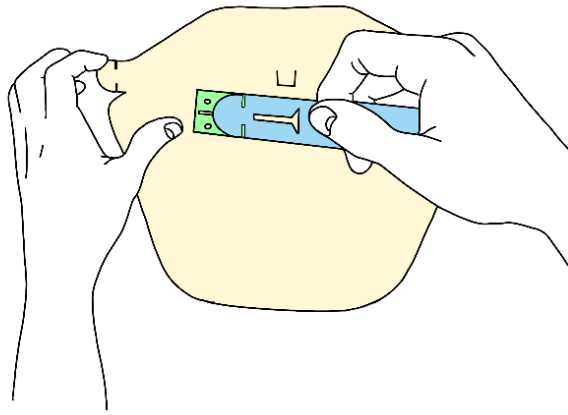
2. Collect the two
head straps,
front shield and
shoelace.



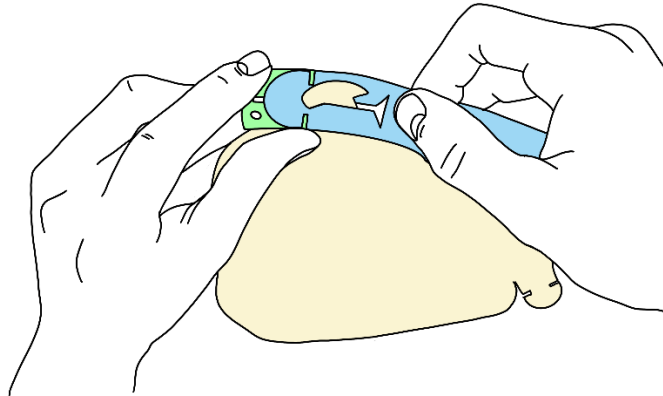
3. Grab the two
ends of the
straps and align
the two T-
shaped holes
together.



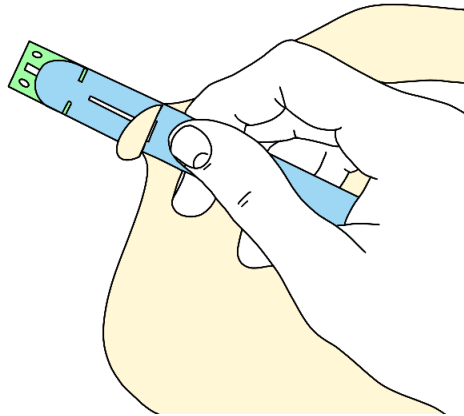
4. Grab the front shield.



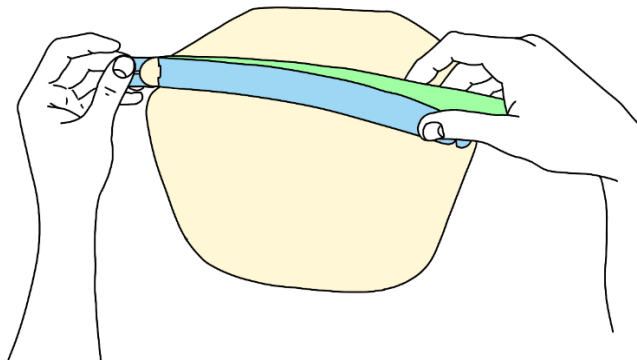
5. Turn the front shield lid 90 degrees and slide it through the T slid of the two straps



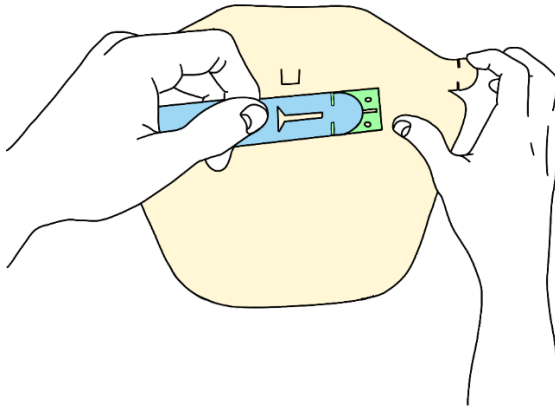
6. Twist lid of the front shield to secure it in place.



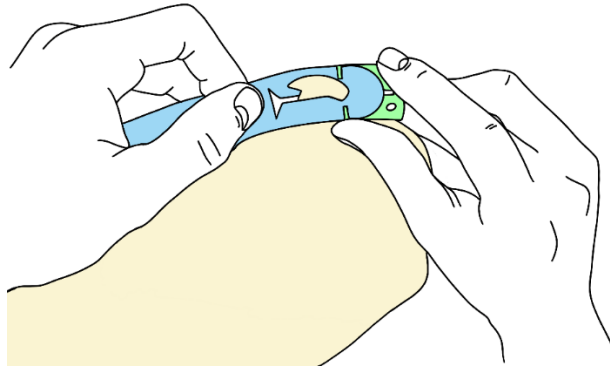
7. Repeat the same steps to the other side. Grab the two straps.



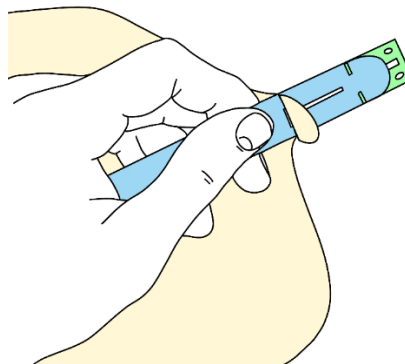
8. Align the T-shaped holes on the right side together.



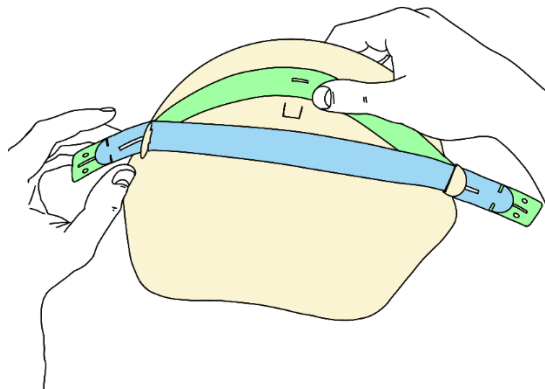
9. Turn the front shield lid 90 degrees and slide it through the T slot of the two straps.



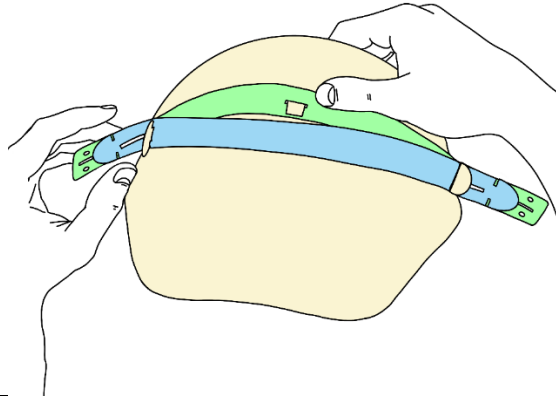
10. Twist lid of the front shield to secure it in place.



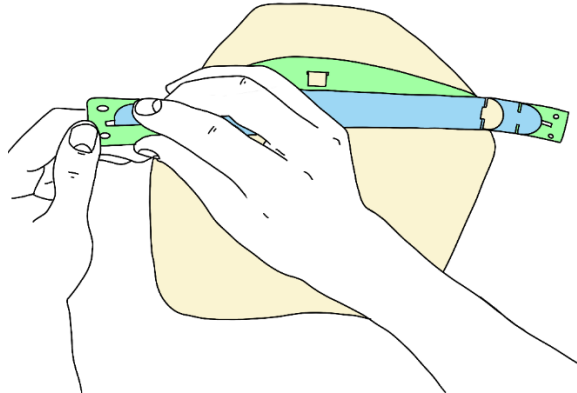
11. Curve the face shield and secure the front shield to the strap.



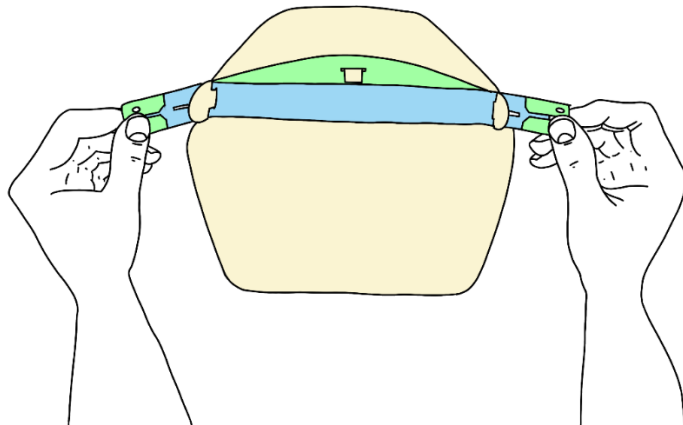
12. Slide the slid of the mask through the front strap.



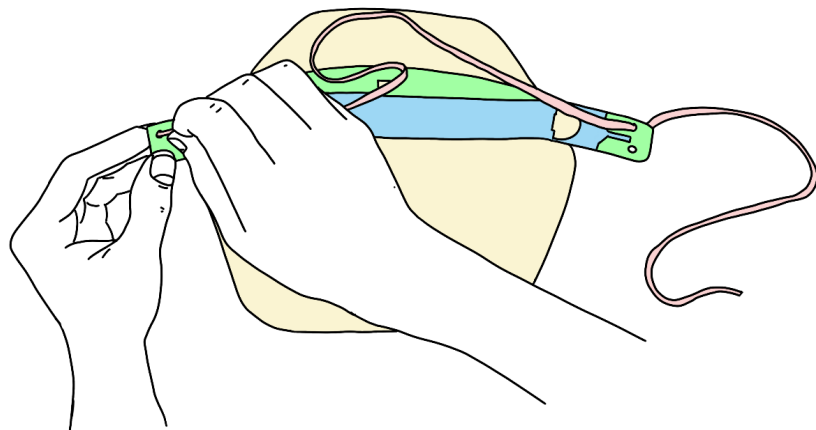
13. Secure the two straps at the and on both sides



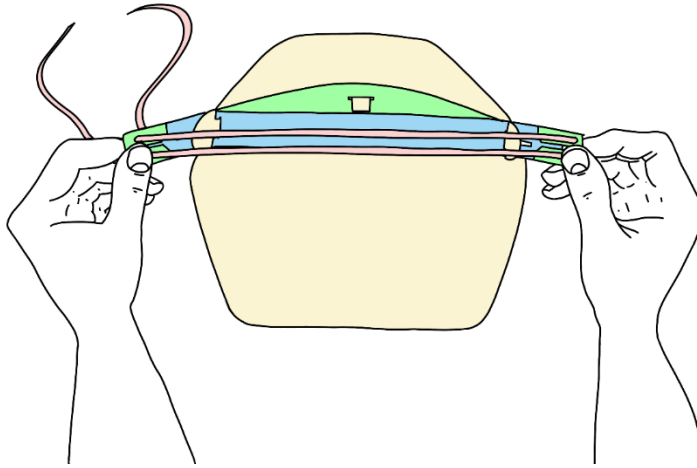
14. The mask should now look as in the picture on the right.



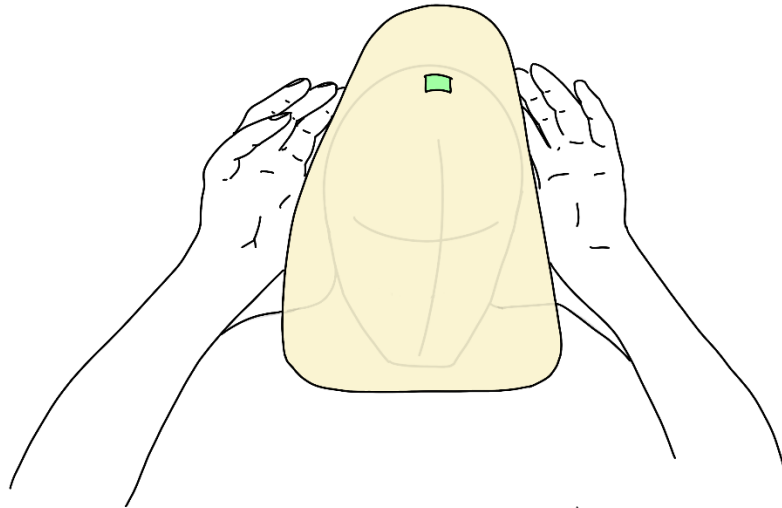
15. Grab a shoelace or other rope material and pull it through the four hole at the end of the strap.



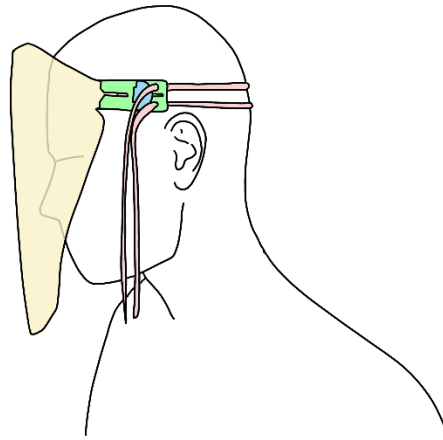
16. Leave enough space with the ropes to fit your head. The finished mask should now look like this.



17. Place the mask over your head in the right position. Pull the straps on the side to make a tight fit around your head.



18. Move the two ends of the shoelace behind your head.



Face shield mask pictures

