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# 3D Printed Face Shield with Closed Top

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Works for me

[dx.doi.org/10.17504/protocols.io.bek6jcze](https://dx.doi.org/10.17504/protocols.io.bek6jcze)

Coronavirus Method Development Community



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## ABSTRACT

This protocol is for building face shields with closed tops using the print template created by Hanoeh Hemmerich on Thingiverse.

## EXTERNAL LINK

<https://www.thingiverse.com/thing:4235098/files>

## GUIDELINES

- **Act as if you were infected by the COVID-19 virus.** Wear a face mask and a fresh pair of gloves when collecting each batch of printed parts. Store the parts immediately in a sealable bag.
- Talk with whoever you're making the shields for, let them know about your manufacturing environment
- There is still debate about how long the virus survives on plastic, but most sources mention 2-3 days. That means that by letting the packed face shields sit for 2-3 days before distributing them, you'll greatly reduce risk of transmission
- **Do not store the entire stock in one place**, minimize the risk of cross contamination

## MATERIALS TEXT

- 3D printer
- filament spool
- overhead transparency or laminated laminating foil (DIN A4 size)
- strap

## SAFETY WARNINGS

**Disclaimer:** Building a face shield as represented in this protocol could potentially help increase protection however there is no guarantee of such an outcome.

- 1 Print the head part of the face shield with the 3D printer.

 [Visera\\_Fija\\_Cerrada\\_v0.4\\_con\\_autolock.stl](#)

- 2 Place the overhead transparency or laminated laminating foil on the head part.

- Put a strap through both ends of the head part of the shield to fix it on your head.



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