



Prusa Protective Face Shield - RC1



Prusa Research

VIEW IN BROWSER

updated 19. 3. 2020 | published 18. 3. 2020

Summary

A prototype face shield that we developed. In three days, we went through dozens of prototypes and two verifications with the Czech Ministry of Health.

Version RC1 - pending verification of design

The face shield is still pending validation, right now it is completely safe to make one only for yourself!

Assembly manual: EN: manual.prusa3d.com/Guide/Prusa+Face+Shield/1527 CZ: manual.prusa3d.com/Guide/Prusa+Oblicejovy+Stit/1526

Video:

<https://www.youtube.com/embed/pP7z3iw76GA>

Rubber band - you can either use a thicker one and make a hole in it at each end (make at least 10 mm cut) or use a thin one and tie it to both ends of the shield.

Front plate material - we used 0.5 mm thick petg sheet (Covestro VIVAK), but you should be able to use any clear laser cuttable plastic with similar thickness.

More information: <https://blog.prusaprinters.org/from-design-to-mass-3d-printing-of-medical-shields-in-three-days/>



2.01 hrs



1 pcs



0.25 mm



0.40 mm



8



32.00 g



MK3/S

[Healthcare](#) > [Accessibility](#)

Supports are not necessary. Print with at least 3 perimeters, about 30% infill.

Ideally, print it from PETG.

Print Files (.gcode)

[↓ DOWNLOAD ALL FILES](#)

72x72	<p>covid19-shield_025mm_petg_mk3s_2h1n 4.2 MB</p> <p>updated 18. 3. 2020</p> <p>⌚ 2.01 hrs ≡ 0.25 mm 🌀 0.40 mm ⚙️ PET ⚖️ 32.20 g 🖨️ MK3/S</p>	↓
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Model Files (.stl, .3mf, .obj, .amf)

[↓ DOWNLOAD ALL FILES](#)

72x72	<p>covid19-shield.3mf 284.2 KB</p> <p>updated 18. 3. 2020</p>	↓
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72x72	<p>bottom_reinforcement.stl 383.1 KB</p> <p>updated 18. 3. 2020</p>	↓
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72x72	<p>covid19_shield_r1.stl 585.1 KB</p> <p>updated 18. 3. 2020</p>	↓
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72x72	<p>shield_final.dxf 3.9 KB</p> <p>updated 18. 3. 2020</p>	↓
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