Prusa Protective Face Shield - RC1

Prusa Research

VIEW IN BROWSER

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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
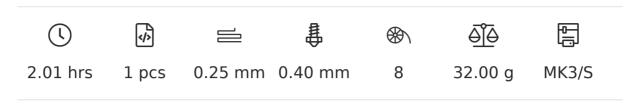
Video:

"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.

Licence and selling of face shields We share these files under non-commerical licence. It would be great if you donated these shields to those in need for free. If you need to cover your production costs, we are ok with

you selling the shields for production cost. However, we do not want to see these shields on eBay for $500.

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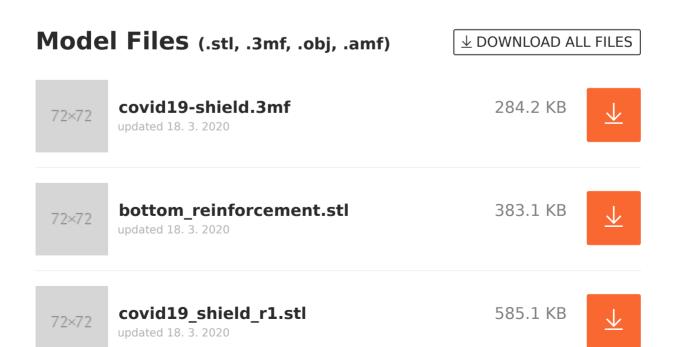
Supports are not necessary. Print with at least 3 perimeters, about 30% infill.

Ideally, print it from PETG.

Print Files (.gcode) ↓ DOWNLOAD ALL FILES

72×72	**covid19-shield_025mm_petg_mk3s_2h1n**	4.2 MB	↓
	updated 18. 3. 2020		
	🕐 2.01 hrs ≡ 0.25 mm 🔩 0.40 mm ⊛ PET ⚖️ 32.20 g 🖨️ MK3/S		

Model Files (.stl, .3mf, .obj, .amf) ↓ DOWNLOAD ALL FILES

| 72×72 | **covid19-shield.3mf**
updated 18. 3. 2020 | 284.2 KB | ↓ |

| 72×72 | **bottom_reinforcement.stl**
updated 18. 3. 2020 | 383.1 KB | ↓ |

| 72×72 | **covid19_shield_r1.stl**
updated 18. 3. 2020 | 585.1 KB | ↓ |

| 72×72 | **shield_final.dxf**
updated 18. 3. 2020 | 3.9 KB | ↓ |

| 72×72 | **shield_longer_version.stp**
updated 20. 3. 2020 | 52.6 KB | ↓ |

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