



Slim RC3 with comfort features (plus shield)



Nibbler

[VIEW IN BROWSER](#)

updated 10. 4. 2020 | published 10. 4. 2020

Summary

Due to the need to print as many of these as possible, as quickly as possible, this is a version of RC3 that prints faster (and uses less filament). It still retains a measure of comfort because part of the band that sits on the forehead remains tall enough to provide large contact surface and provides stability. Faster printing comes down to the rest of the model being squished to minimal height that retains enough structural rigidity.

Unfortunately cannot be stacked. Still good for those that print during the day.

- Added variant with widened part of the band that touches the forehead. There are two versions of this, one with and one without the logos (for faster printing).
 - Added version with integrated droplet shield between forehead and foil holder (also with and without logo). Suggested to print at 0,25 mm layer height to get 2 layers. Crosshatching ought to reduce porosity.
 - Added Sketchup file with all model variants.
 - Added 3mf and resulting gcode (MK2.5s) for printing two headbands with bottom reinforcements at once. Project includes custom brim for critical endpoints in model that I've noticed have a tendency to lift from time to time, as well as selective infill for hooks.
-



2.39 hrs



1 pcs



0.25 mm



0.40 mm



8



55.00 g



Prusa
MK2.5/S

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

No supports required. Print at 0,25 mm layer height, 3 perimeters, 30% infill (same as official RC3, including PETG being preferred).

Alternatively download the enclosed 3mf file and adjust filament and printer profiles to your needs.

This remix is based on



Prusa Face Shield

by Prusa Research

Print Files (.gcode)

[↓ DOWNLOAD ALL FILES](#)

covid_19_headband_rc3_slim_x2_025mm 7.2 MB

updated 10. 4. 2020

⌚ 2.39 hrs ≡ 0.25 mm ⚙ 0.40 mm ⚙ PET ⚖ 55.40 g 🖨 Prusa
MK2.5/S



Model Files (.stl, .3mf, .obj, .amf)

[↓ DOWNLOAD ALL FILES](#)

covid_19_headband_rc3_slim_x2.3mf 316.1 KB

updated 10. 4. 2020



covid19_headband_rc3_slim_wide.stl 472.4 KB

updated 10. 4. 2020



covid19_headband_rc3_slim_wide-nolog 349.2 KB
updated 10. 4. 2020



covid19_headband_rc3_slim_shield.stl 458.3 KB
updated 10. 4. 2020



covid19_headband_rc3_slim_shield-nolog 335.0 KB
updated 10. 4. 2020



covid_19_headband_rc3_slim.skp 3.1 MB
updated 10. 4. 2020



License ©

This work is licensed under a
Creative Commons (4.0 International License)



Attribution-NonCommercial

- ✗ | Sharing without ATTRIBUTION
- ✓ | Remix Culture allowed
- ✗ | Commercial Use
- ✗ | Free Cultural Works
- ✗ | Meets Open Definition