

Hard Shell Eye Patch



Stefan Gabriel Muscalu

[VIEW IN BROWSER](#)

updated 28. 1. 2024 | published 28. 1. 2024

Summary

Eye patch based on post-surgery medical equivalents

[Healthcare](#) > [Medical Tools](#)

Tags: [patch](#) [medical](#) [eye](#)

Eye patch based on a reference hard shell eye patch I got after an eye surgery.

There are 4 variants:

- Plain patch
- Plain patch with anchor points
- Ventilated patch
- Ventilated patch with anchor points






The sizes should be universal for adults, but feel free to scale them up or down to fit your needs.

Included, you will also find a .3mf containing all patches orientated vertically, with adjusted speeds and supports.

It takes around 35 minutes and consumes about 9g of filament.

I printed mine in PLA at 50mm/s and a 0.28 mm profile. It has the same stiffness as the original one on all axes, but it's prone to fracture along the layer lines if you flex it too much. Haven't tried to print in TPU yet, but it may result in a better fit, tho' it may be harder to print.

Model files

STL		4 files
	plain-eye-patch.stl	
	vented-eye-patch-with-anchors.stl	
	vented-eye-patch.stl	
	plain-eye-patch-with-anchors.stl	
All in One		1 file
	all-eye-patches.3mf	
Blender		1 file



eye-patch.blend

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