Printables by JOSEF PRUSA



FREE Pilgrim Hat Spinner Pencil Topper No Supports

Wild & Wiggly

VIEW IN BROWSER

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Summary

Free smiling pilgrim hat pencil topper with a gold buckle that spins 360 on a pencil.

Seasonal designs > Autumn & Halloween

Tags: spinner print pencil multicolor no hat fidget topper thanksgiving in supports pilgrim autumn fall place

FREE download! A classic black pilgrim hat with a happy face: a tapered, flat-topped crown and a wide brim with a soft felt texture and stitch lines, a ribbed brown band, a raised gold buckle, and big white eyes and a white smile on the crown. Push it onto a standard pencil and it spins a full 360 degrees on a built-in captive spinner, the same print-in-place spinner as our football and baseball toppers. It prints in one go with no supports and no assembly.

Size: 45 x 45 x 31 mm. About 11.0 g of filament plus purge for the color changes. Print at 100% scale, because scaling changes the pencil fit and the spinner gap.

Files included

- pilgrim_hat_pencil_topper_multicolor.3mf (colors and settings already set up, ready to slice)
- pilgrim_hat_BLACK_slot1_hat_crown_brim_spinner.stl (crown, brim and spinner)
- pilgrim_hat_BROWN_slot2_hat_band.stl (hat band)
- pilgrim_hat_GOLD_slot3_buckle.stl (buckle)
- pilgrim_hat_WHITE_slot4_eyes_smile.stl (eyes and smile)
- pilgrim_hat_single_color_all_in_one.stl (one-color version)

Slot colors: Slot 1 Black (crown, brim and spinner). Slot 2 Brown (hat band). Slot 3 Gold (buckle). Slot 4 White (eyes and smile).

Printing from the STLs? Import the four color files together as one object with multiple parts, then set Black to Slot 1, Brown to Slot 2, Gold to Slot 3 and White to Slot 4. The spinner is inside the Slot 1 file. Keep the model exactly as it is (no rotating or scaling), with supports and brim off.

After printing, give the spinner in the bottom a little turn so it moves freely, then push the unsharpened end of a standard pencil in and spin it.

Free for personal use. Please don't sell prints of this file. Selling rights come with All Access on Patreon.

Small parts: not for children under 3.

Part of the free Wild & Wiggly Thanksgiving set

The turkey, pumpkin pie slice and acorn spinner pencil toppers are free too. Grab all four for your Thanksgiving table.

More Wild & Wiggly spinner pencil toppers are coming soon to Patreon. Follow along and join here: https://www.patreon.com/cw/Wildandwiggly

PRINT SETTINGS

Printer: Anycubic Kobra S1 + ACE Pro (any multicolor printer works)

Nozzle: 0.4 mm

Scale: 100%

Orientation: as in the 3MF, upright on its flat bottom with the spinner opening on the bed

Layer height: 0.12 mm

Walls: 3

Infill: 15% gyroid (the 3MF drops everything from 15 mm up to 8% infill and 2 walls so the top stays light)

Supports: none (they would fuse the spinner)

Brim: none (it would fuse the spinner opening)

Prime tower: on

Filament: PLA, about 11.0 g plus purge. Slot 1 Black (crown, brim and spinner). Slot 2 Brown (hat band). Slot 3 Gold (buckle). Slot 4 White (eyes and smile)

Print time: about 10 hours (Anycubic Slicer Next estimate, normal mode, including color changes)

Model files



pilgrim_hat_gold_slot3_buckle.stl



pilgrim_hat_white_slot4_eyes_smile.stl



pilgrim_hat_brown_slot2_hat_band.stl



pilgrim_hat_pencil_topper_multicolor.3mf



pilgrim_hat_black_slot1_hat_crown_brim_spinner.stl



pilgrim_hat_single_color_all_in_one.stl

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