# SpinDock – Rotating Pegboard Tool Carousel

g **gullujas**

VIEW IN BROWSER

updated 15. 10. 2026 | published 15. 10. 2026

## Summary

A 360° rotating tool organizer with click-stop indexing and interchangeable holders for pegboards.

| 8.61 hrs | 1 pcs | 0.20 mm | 0.40 mm | PET | 90 g | Prusa CORE One / + |
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Hobby & Makers > Organizers

Tags: organizer modular mechanical workshop pegboard toolholder printable screwdriver

SpinDock – Rotating Pegboard Tool Carousel

Overview

SpinDock is a 3D-printable rotating tool organiser designed to make workshop tools easier to access while keeping them organised on a pegboard.

The design features a circular carousel with six tool-holder positions, a central axle and retaining cap, and a separate pegboard mounting system.

The intended mechanism uses an indexing detent to provide tactile click-stop positions as the carousel rotates.

Features

- Rotating carousel for convenient tool access
- Six tool-holder positions
- Separate components for easier printing and assembly
- Central axle and retaining cap
- Pegboard mounting bracket
- Designed for further customisation and mechanical testing

Printing

The components are designed for FDM 3D printing. PLA is suitable for an initial fit and assembly prototype. PETG can be tested for functional parts that need additional toughness or repeated flexing.

Suggested starting settings:

- Nozzle: 0.4 mm
- Layer height: 0.20 mm
- Perimeters: 3–4 for general components
- Infill: 20–30%, adjusted for the component
- Supports: inspect each part in your slicer before printing

Assembly and testing

Check the fit of the axle, hub and retaining cap before full assembly. Test the indexing mechanism and verify that the mounting bracket fits your particular pegboard.

This is a prototype design. Fit, rotation, tool retention and mounting strength should be tested before regular use. Pegboard dimensions and tool sizes may require adjustments.

Included files

- Main carousel
- Central axle
- Retaining cap
- Indexing detent
- Pegboard mount
- Fit-test component
- Additional mod el and reference files where included

Feedback and suggestions for improving the mechanism are welcome!

# Model files

**spindock.scad**

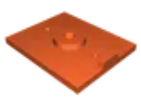
**spindock_cap.stl**

**spindock_detent.stl**

**spindock_carousel.stl**

**spindock_test.stl**

**spindock_axle.stl**



**spindock_mount.stl**

# Print files

**spindock_axle_8h36m_petg_creality-c.gcode**

PET 0.40 mm 0.20 mm 8.61 hrs 90 g

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