

Mechanical Push Rotate

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VIEW IN BROWSER

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Summary

Mechanical push button that rotates 90° with each press. Modeled and optimized for FDM printing based on a mechanism dem

0.70 hrs	1 pcs	0.20 mm	0.40 mm	PET	11 g	Prusa MK4S

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Press & Rotate 90° Button

A compact mechanical push button that rotates **90° with every press**.

The internal mechanism converts the vertical pressing motion into a quarter-turn rotation, allowing the top face to change position with each click.

Designed as a simple mechanical experiment and functional mechanism for learning, prototyping and future interactive projects.

How it works

Press → Rotate 90° → Release → Repeat.

Each press advances the rotating section by one quarter turn.

Credits

This model was created by me in Fusion 360 while following a mechanical design tutorial by **Iker**.

The original mechanism and learning process were inspired by his tutorial:

Tutorial:

https://www.youtube.com/watch?v=FQzBapf-FBc

I modeled, adjusted, printed and tested this version for FDM printing.

Model files



button-rotate.3mf



button.step



base.step



coil-ok.step



top.step



boton-original-press-rotate.f3d

Print files



button-rotate.gcode

PET 0.40 mm 0.20 mm 0.70 hrs 11 g Prusa MK4S

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