

SHINY KNIFE MK4 + MK5 RING CLIP INSTRUCTIONS

Hello! Thank you for downloading this kit. Below are instructions for printing and using the belt clip for the MK4 and MK5 Shiny Knives. These files are for personal use only.

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PRINTING

GENERAL PRINTING

- All STLs are oriented for FDM printing and are meant to be printed-in-place
- Supports are not required - they will likely mess up the interior of the print-in-place swivel. They can help on the underside and inside of the rings, but make sure to add support blockers to the main body of the clips.
- I typically print at 0.2 layer height and 4 walls
- Acrylic can vary slightly in thickness. There are several Ring Clip variations, differentiated by the gap between the prongs. Start with the median - 250 (2.5mm gap) - and then go larger or smaller if needed.

POST PROCESSING

- The print-in-place swivels need to be rotated with some force to break free. The swivel is sometimes very difficult to break without destroying the part. I believe this is caused by print artifacts inside the swivel - if you run into this issue, try printing it slower, with a higher resolution, or more retraction.
- Useless fact: One of my printers always prints these in a non-functional fused state, while two other identical printers print the swivel successfully. All three printers can print the sheath belt clip - which uses the exact same swivel design - without any issues. That is something I have never encountered before and my solution has been to not print the ring clip on that one printer.

USE ([video here](#))

- Gently insert the knife's finger ring into the clip, keeping the clip parallel to the blade
- It should not take too much force. If it feels too tight, do not force it - either print a clip with a larger gap, or file the inside of the clip prongs until there is enough clearance
- The clip will click into place and rotate slightly on the knife ring
- Rotate the clip in either direction. At a point in either direction you will feel some resistance - keep rotating past that resistance, and the click from the previous bullet point will become undone. You can then pull the knife out of the clip with minimal effort
- Avoid inserting the knife at an angle or stressing the knife ring laterally, as the ring can break
- The clip is symmetrical, so the knife can be inserted in any orientation

Enjoy, and see you starside!