



## Die press holder for Proxxon MP-120 Micro Press / Arbor



MC

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### Summary

A minimal holder to retain the die presses for a Proxxon MP-120 Micro Press / Arbor

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This is a tool holder designed to securely hold the die presses which come with the Proxxon MP-120 Micro-Press, a small hobbyist arbor. The holder uses magnets to help retain the press dies in their recess. The same magnets also allow the holder to attach to the arbor itself, either on the top or side of the arm.

Additional parts:

- Strong cylindrical magnet , diameter 6mm, height 5mm (Qty: 8)
- Liquid glue
- Optional: A strip of self-adhesive thin felt or cardboard, or duct tape

**Please note: I've only tested this with ABS and ASA.** If you're using PETG then glue likely won't work and some small design changes will be needed to make the magnets press-fit - send a message and let me know if this would help you.

## Printing

There are two .STL files provided:

1. A test/fit print file to get the size of the holes Just Right for the combination of your filament type, printer calibration, and die press diameters. Print this, and test that the dies slide in easily and rest within the recess. They should move freely in and out, but not wobble within the hole. If the hole is too loose for your dies, scale down by 1% and try again. If the hole is too tight, scale up by 1% and try again. Keep track of the scaling you apply – you'll need this for step 3.
2. Insert a magnet into the bottom hole and verify that the die and the magnet are holding together. If you turn the holder “upside down” the die should be retained and not fall out (but do this over a tray/desk so that you don't need to chase the die if it does fall out...)
3. Once you've got the scale factor right, load the second file, scale using the factor determined in step 1, and print. The holder doesn't need to be particularly strong, so a few perimeters and 10-15% infill should be plenty.

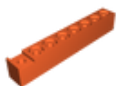
## Assembling

Again – a reminder that this has only been tested with ABS and ASA, but should also be fine for PLA.

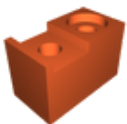
Put a **small** drop of glue in each of the 8 bottom holes (the bottom is the side with all circles) and gently press the magnets into the holes. The magnets should be flush with the bottom surface of the holder.

Apply the strip of self-adhesive felt/cardboard/tape to the bottom. This will cover the magnets, and help make it easier to remove the clip from the arbor if needed. Trim the felt/cardboard/tape to size.

## Model files



proxxon-mp120-tool-clip.stl



proxxon-mp120-tool-clip-fit-check.stl

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