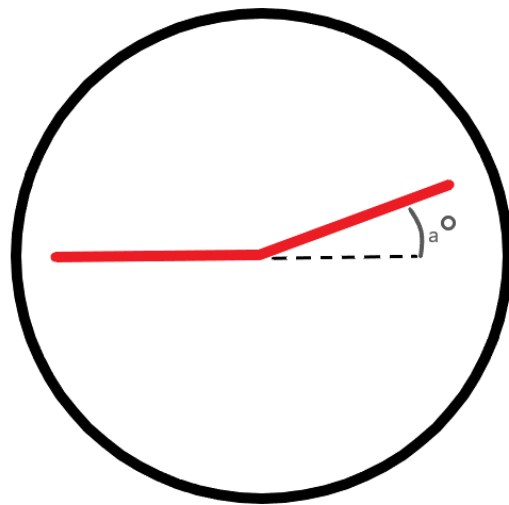
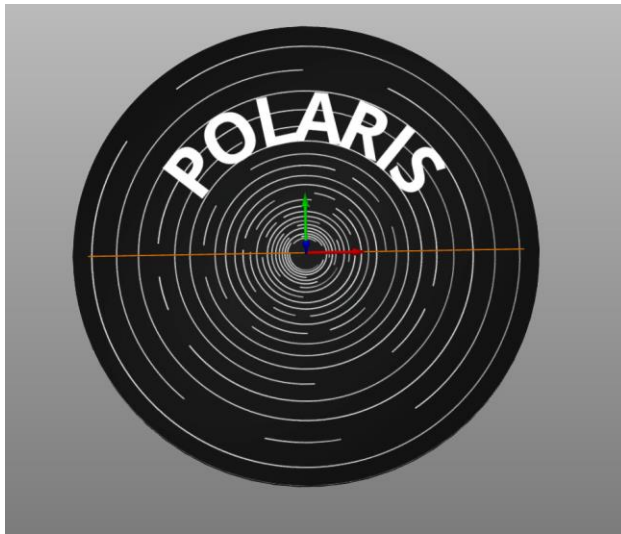


Calibration of Y motor steps/°

For the rotary axis, it is not steps/mm but steps/°, which complicates things a little for calibration. Here's a technique I created but I don't know if it's the best...

The idea is therefore to print a continuous line crossing the diameter of the plate (the .stl file is “Y_calibration”, measuring 140*0.4*.4mm).



You will probably get something like this, because the motor will probably have turned too much, or not enough to complete a full 180° rotation. You will therefore measure the angle “α”.

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- If it has turned too much, do this calculation : $\frac{steps \cdot 180}{\alpha + 180}$
 - If it hasn't turned enough, do this calculation : $\frac{steps \cdot 180}{\alpha - 180}$
-

If you then get something like below, your nozzle is not aligned with the center of the platen. This is a mechanical adjustment to be made from the support screws of the X axis rods.

