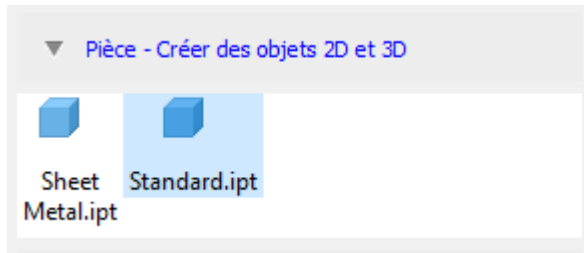




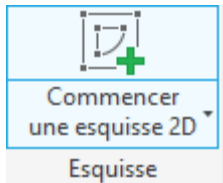
pipe in Mario Bros



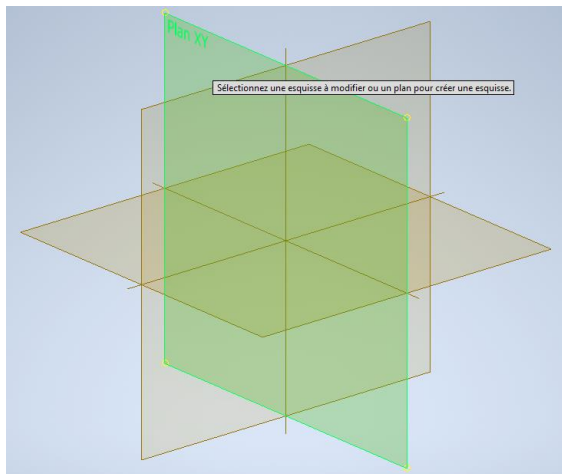
How do I create a file and then a sketch?



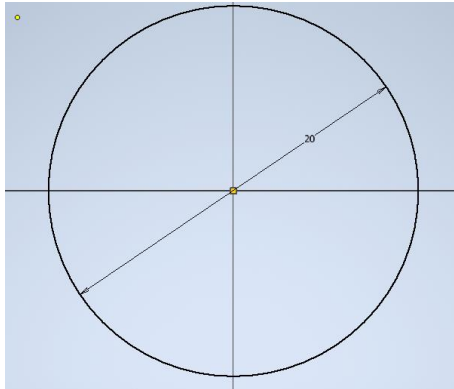
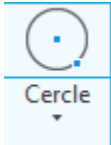
Click on New, then on Standard.ipt, then on Create



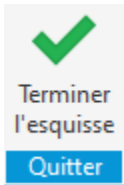
Press Start a 2D sketch



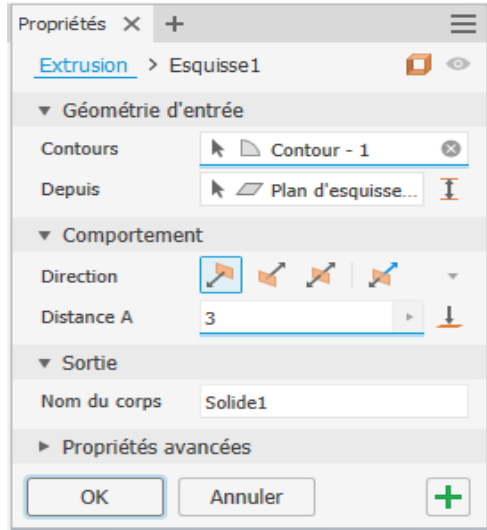
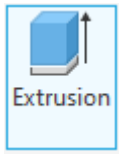
click on the XY plane



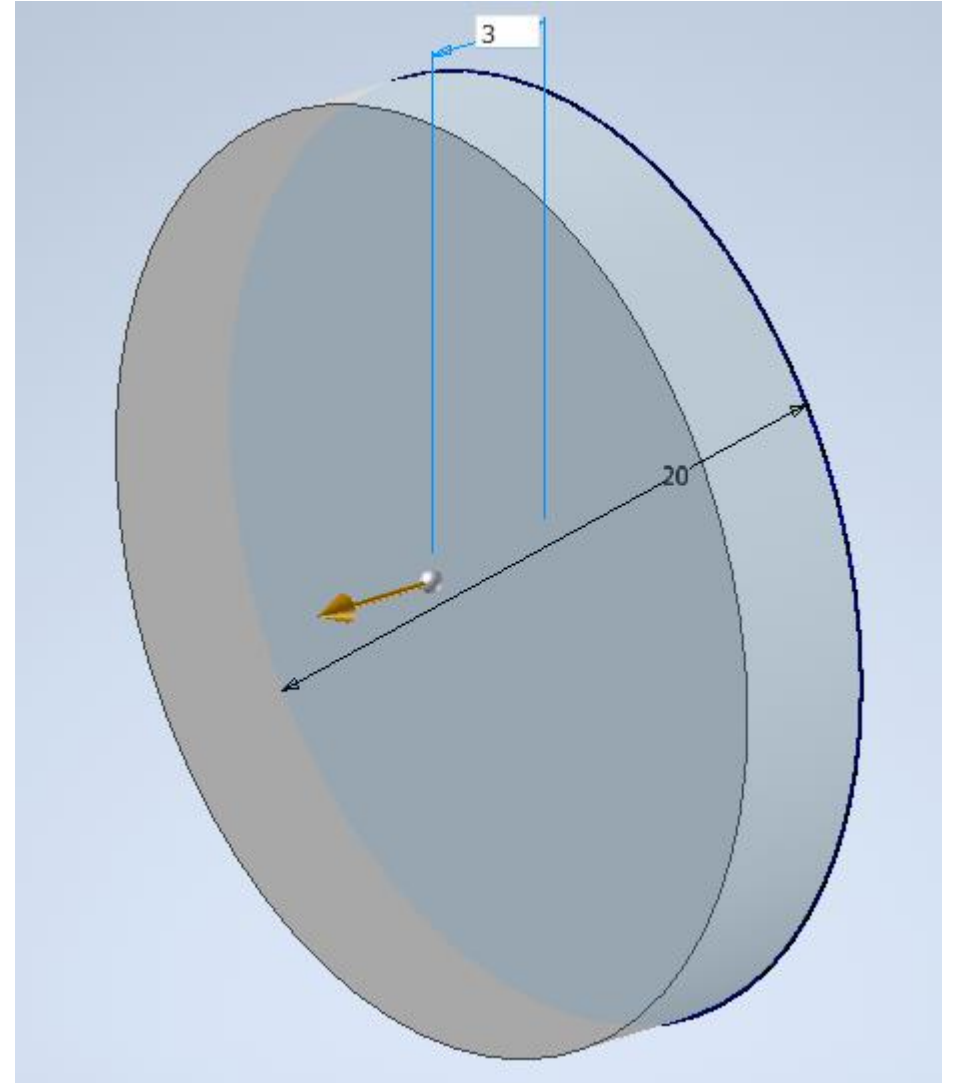
make a circle with a diameter of 20 mm

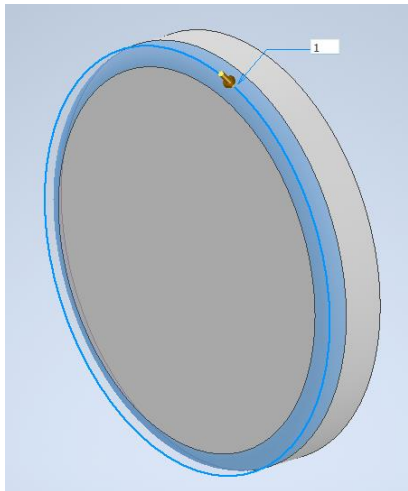
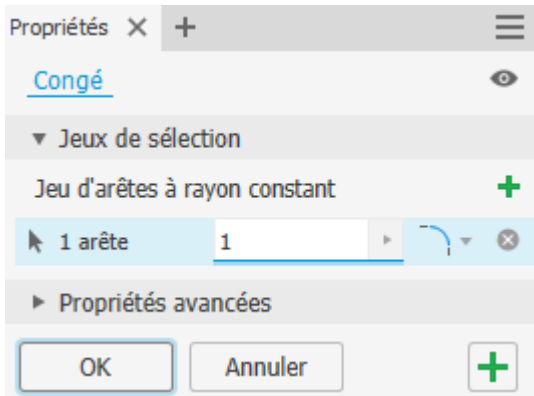


then finish the sketch

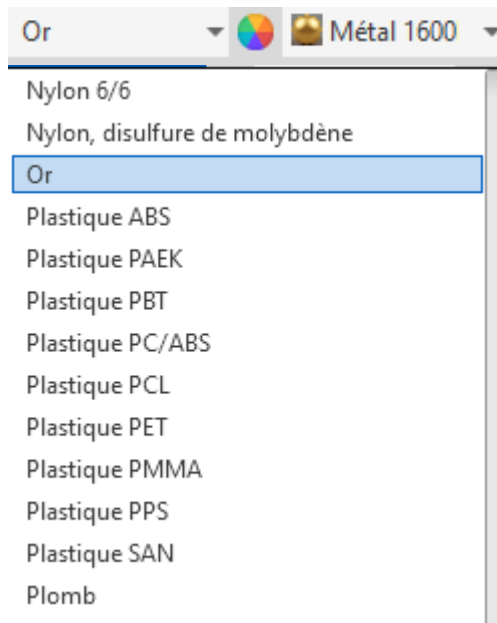


using the extrusion tool, perform a 3 mm extrusion

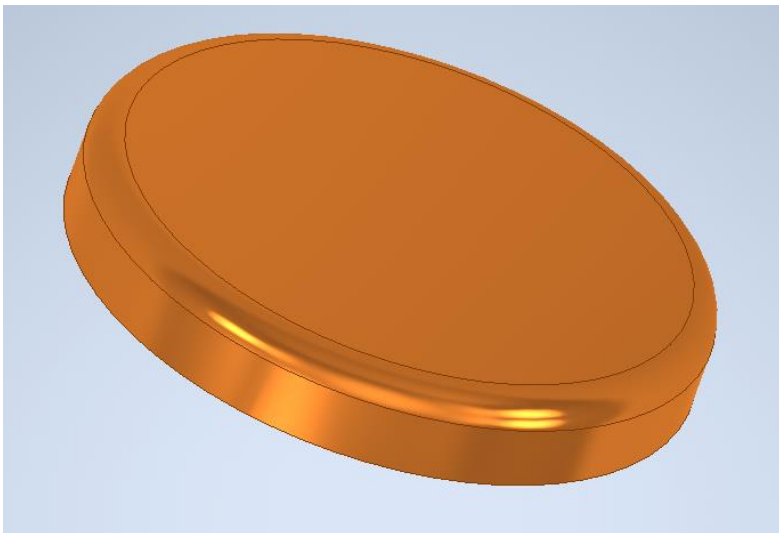


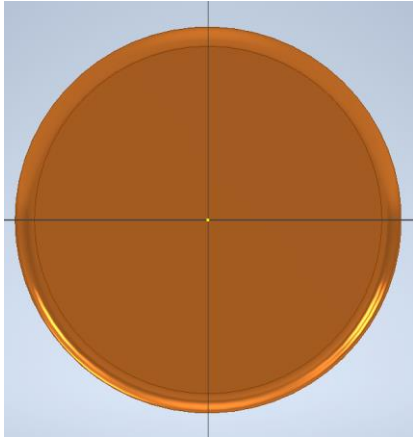


using the chamfer tool, make a 1 mm chamfer on the top of the part



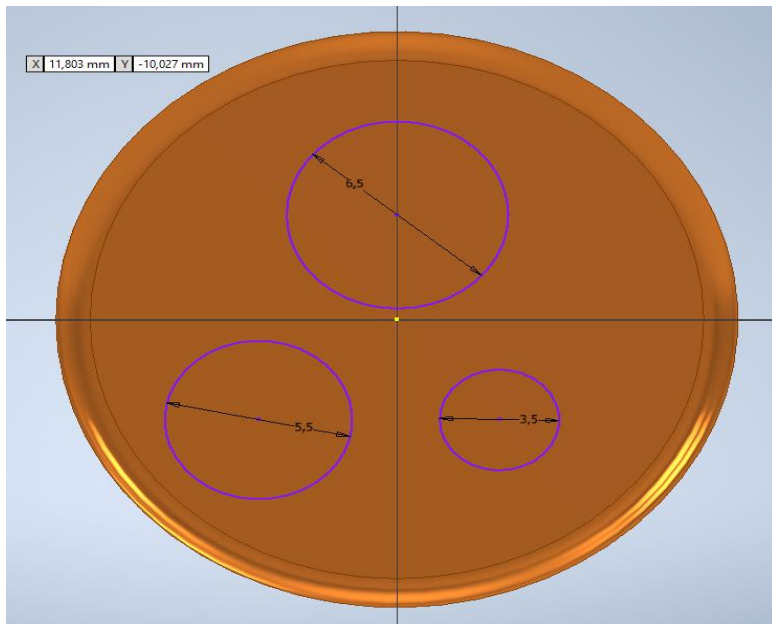
Select the part and then the gold colour metre.

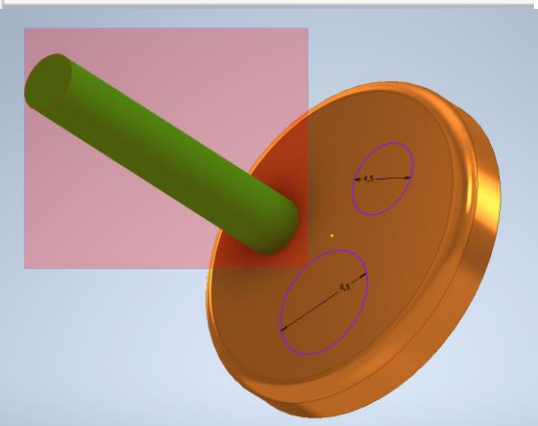
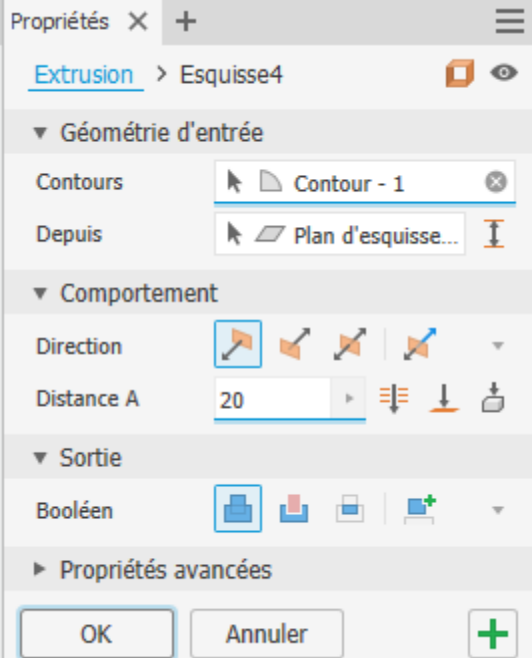




Make 3 sketches on the top of the piece to create 3 different circles:

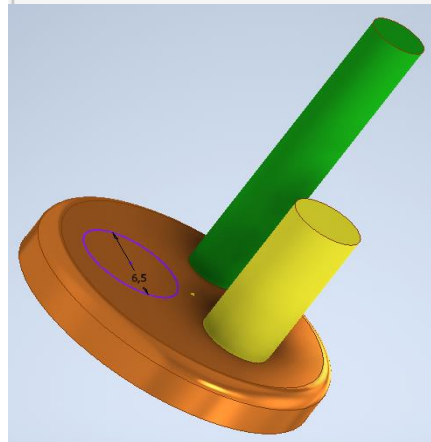
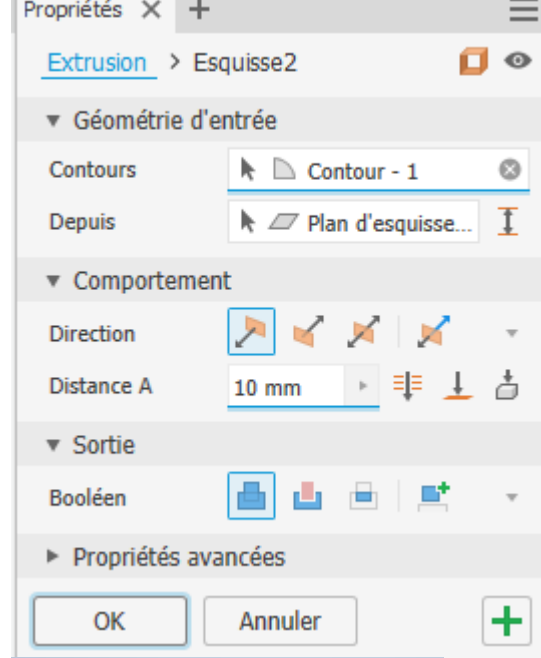
- the largest with a diameter of 6.5 mm
- the medium one with a diameter of 5.5 mm
- the smallest with a diameter of 3.5 mm





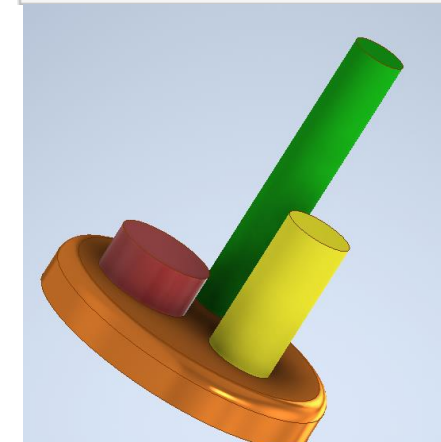
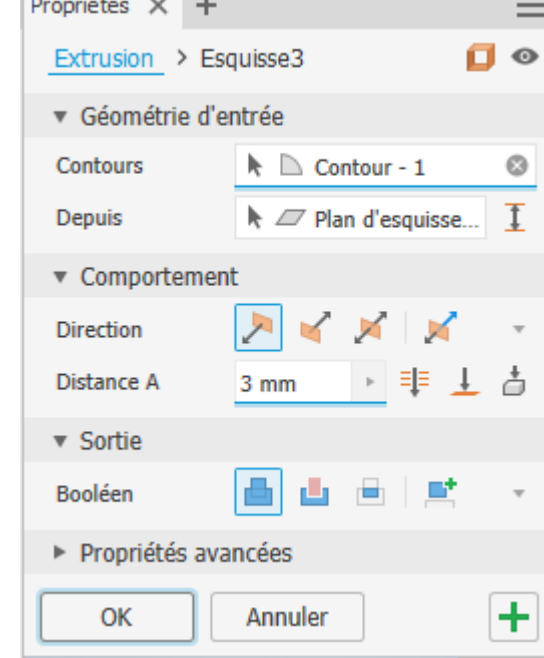
*Vert foncé

On the smallest circle, make a 20 mm extrusion, then select it to make it dark green.



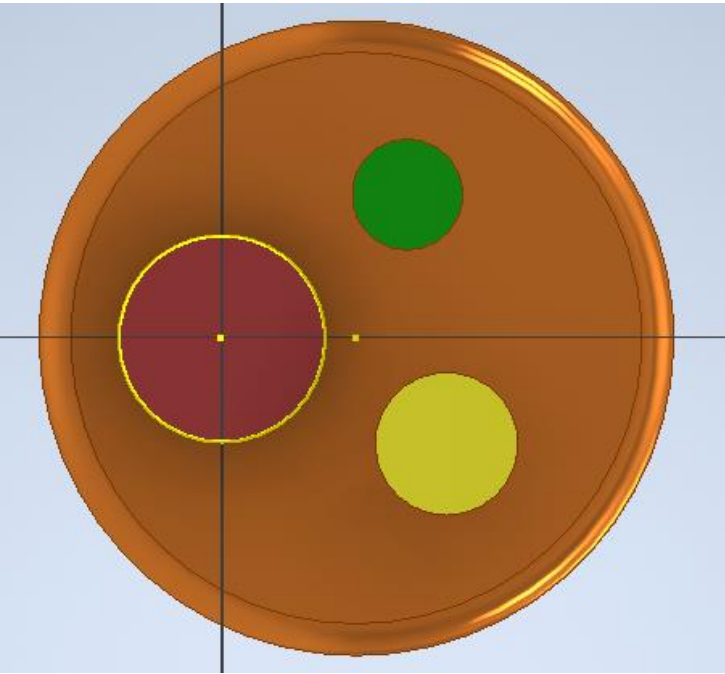
*Jaune can

On the middle circle, make a 10 mm extrusion, then select it to colour it canary yellow.

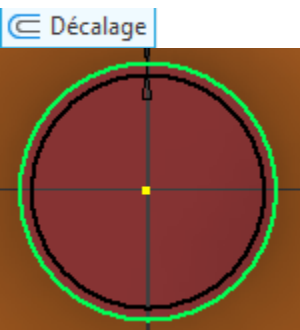


*Rouge

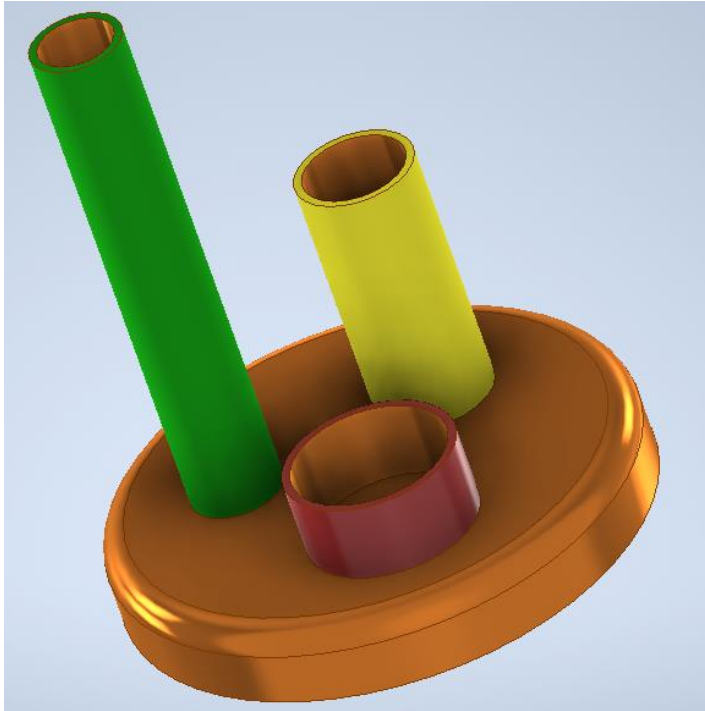
On the smallest circle, make a 3 mm extrusion, then select it to colour it red.



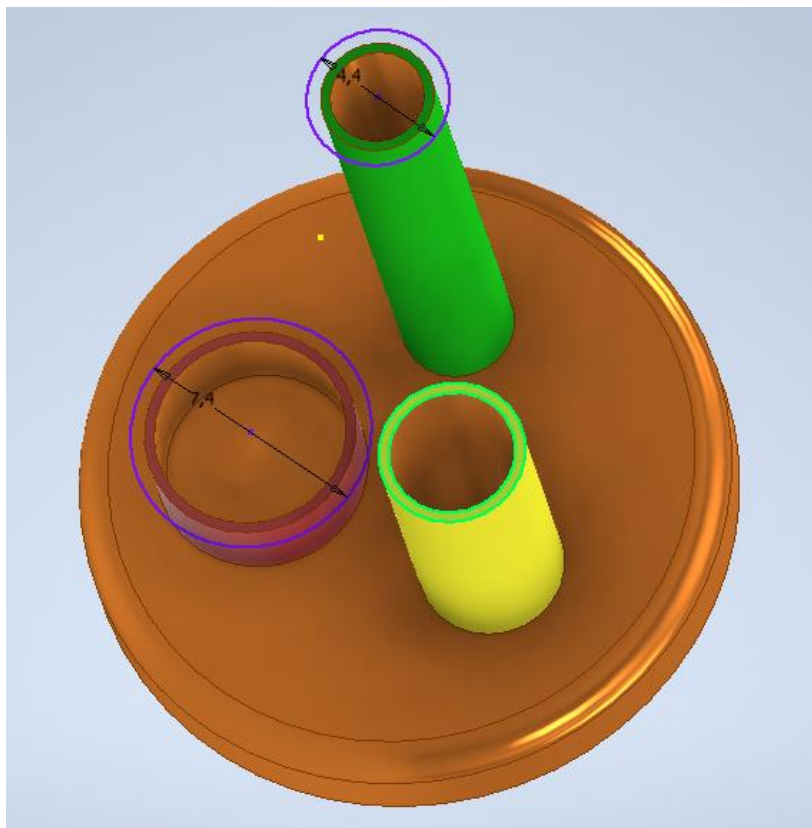
for each circle, project their geometry



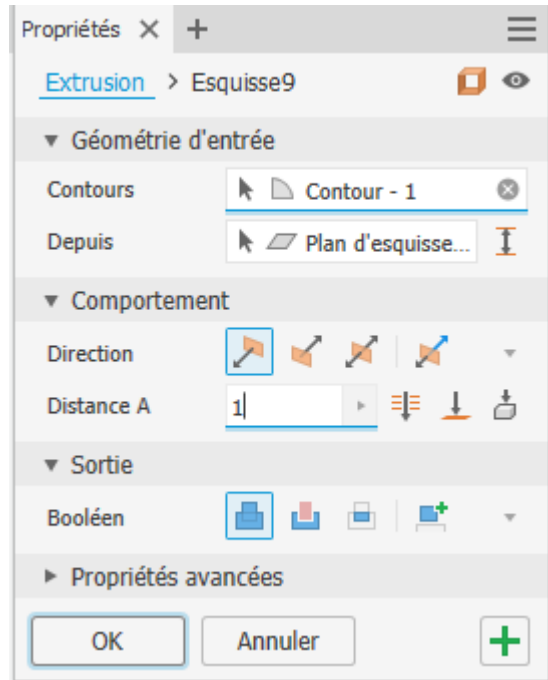
Then, using the offset tool, offset the three circles 1 mm inwards.



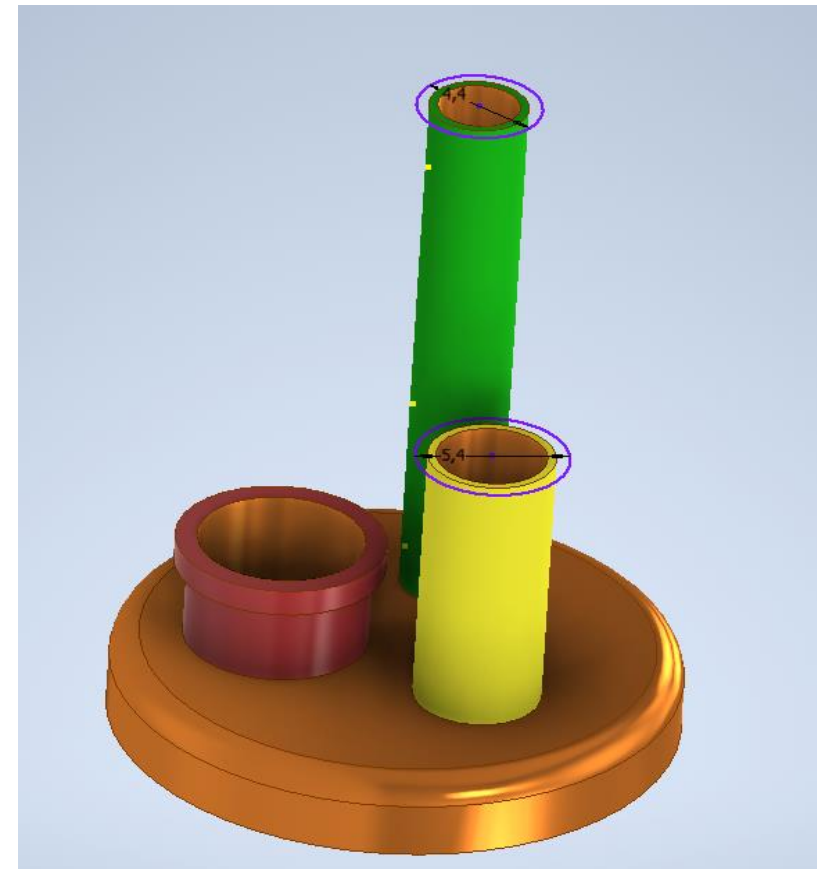
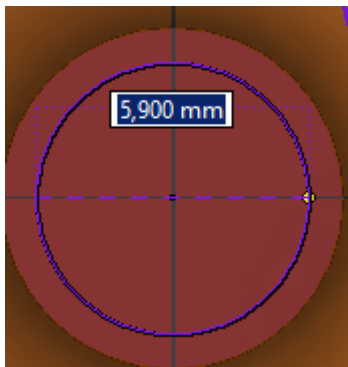
Now simply extrude the inner circles of the cylinders to the height of each cylinder.

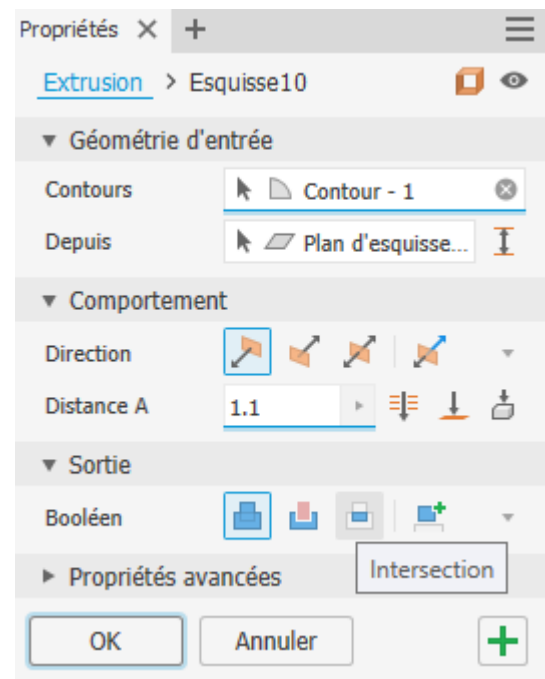


make each circle 1 mm larger

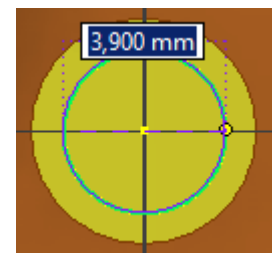


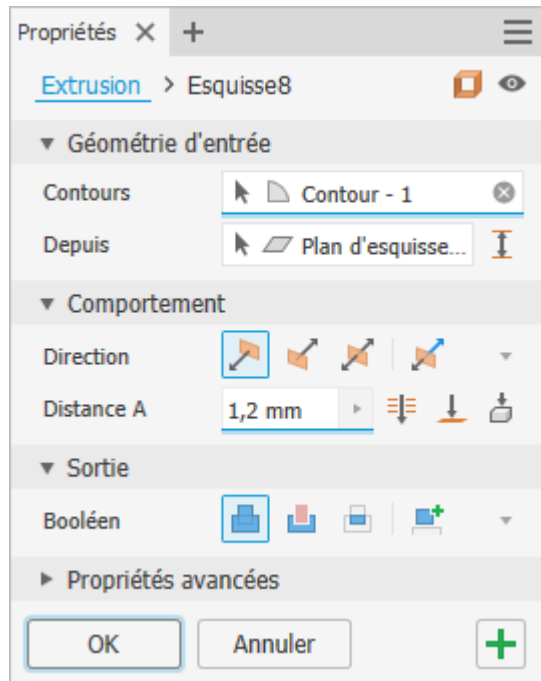
make each circle 1 mm larger





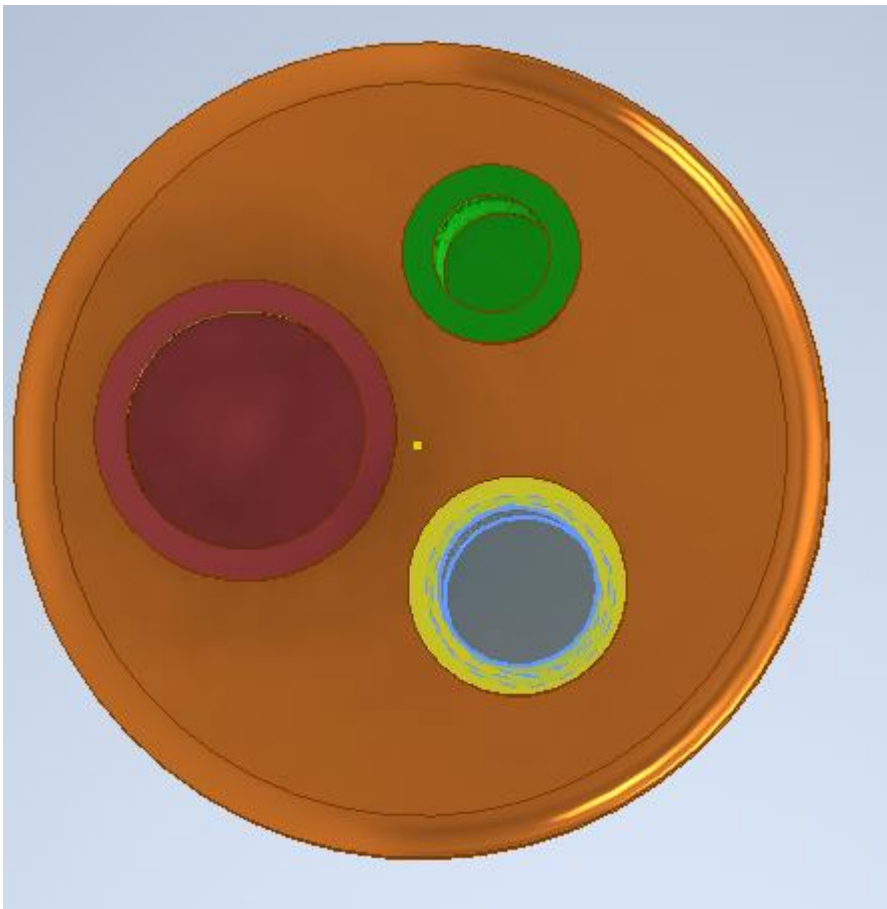
make each circle 1 mm larger



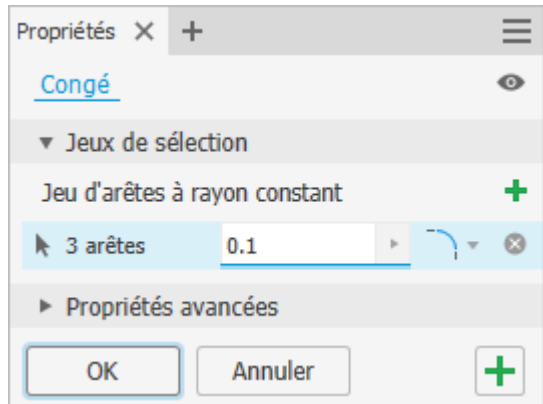


make each circle 1 mm larger

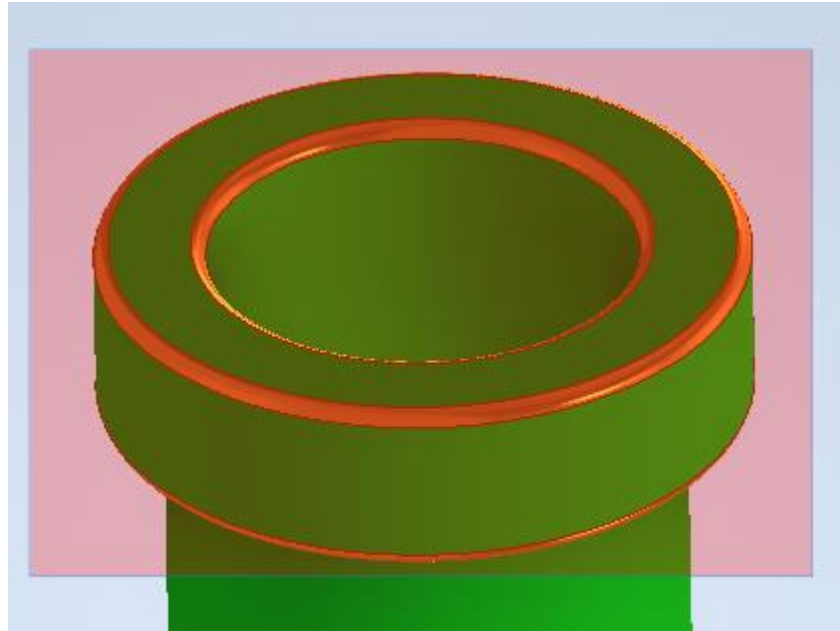
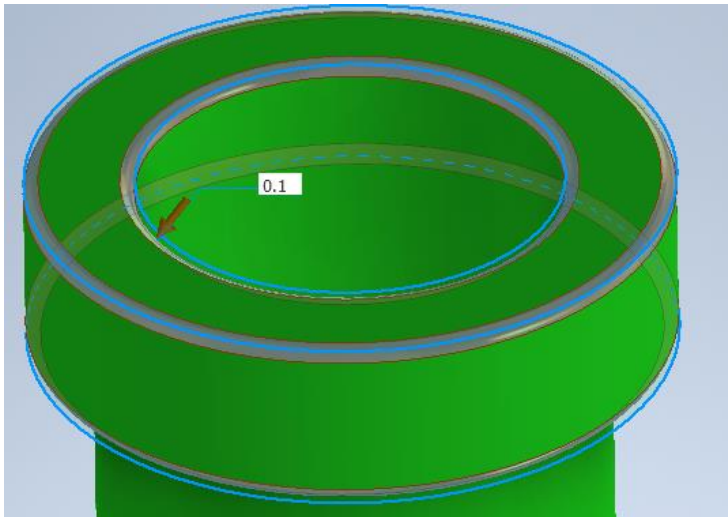


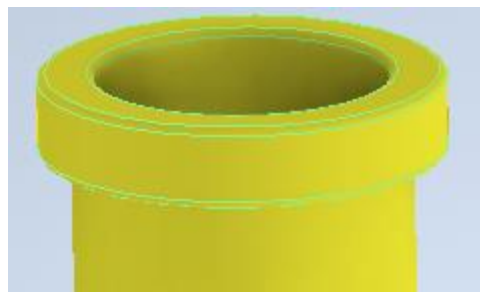
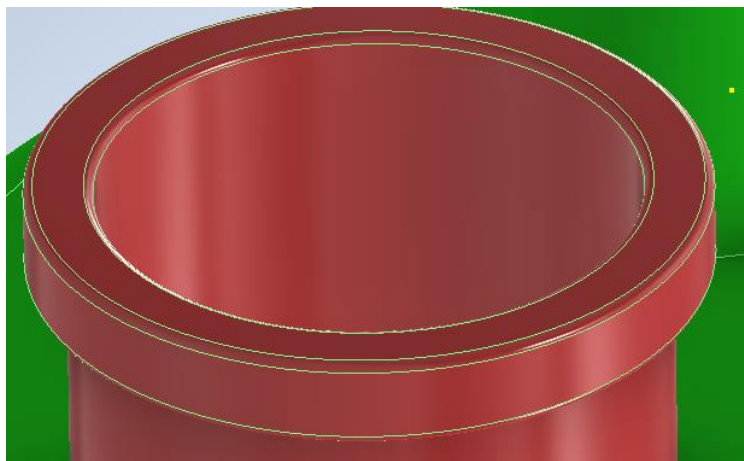


select the interior and then restore it to the correct colour



make a 0.1 mm allowance





final piece

