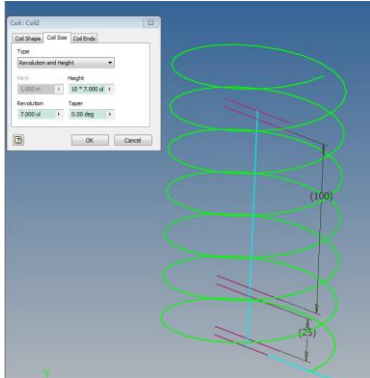


Hi yuhanes,

You are 95% there with what you have.

All I have done differently is make coil2 has more than 1 coil (I used 7) to make a bigger 3d sketch.

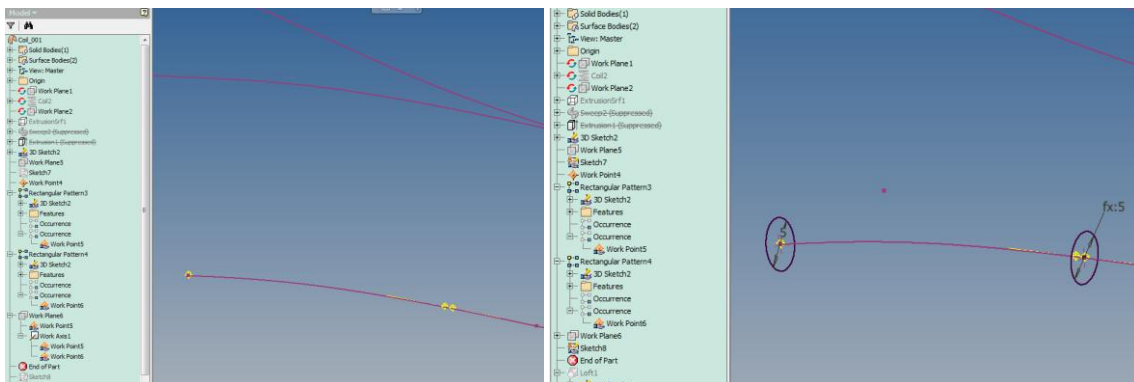


Place a work point on the start on the 3d sketch

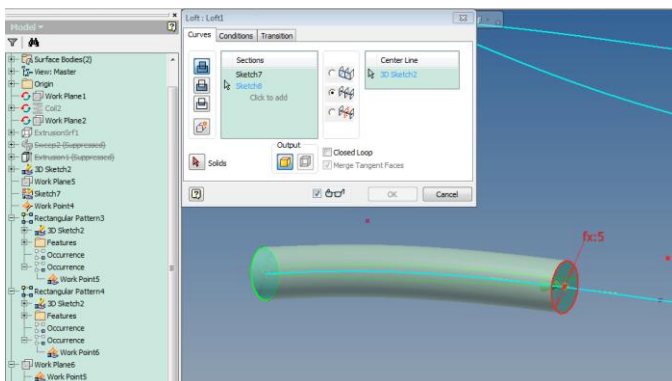
Pattern this work point (distance should be made into a parameter), "drive=25mm"

Pattern the work point again (distance will use the parameter) "drive=1mm"

Place an axis through the 2 points



Place a plan on the first patterned point (using the axis and the work point) this is the trick to make it follow the 3d path, as the axis is driven by the 2 patterned points. Create 2 sketches on the end of the 3d sketch and the new work plain.



Loft using the 3d sketch as center line (I re-used one sketch to get the straight extension)

All that's left is to animate the "drive" parameter in Inventor studio.