

Lesson: Practice Exercise

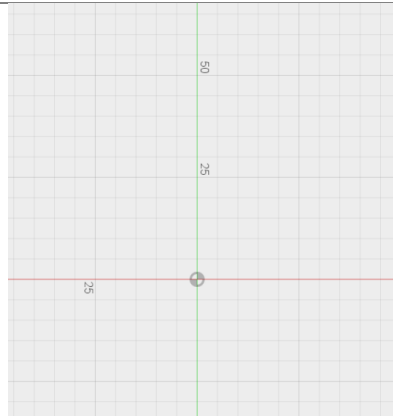
Practice: Create a revolved solid.

Learning Objectives:

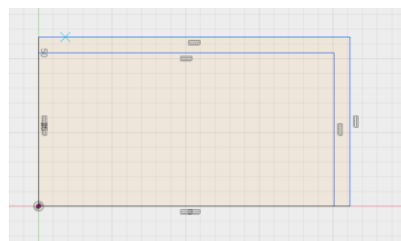
- Create a parametric sketch.
- Create a solid revolve.

Step 1: Create a solid revolve

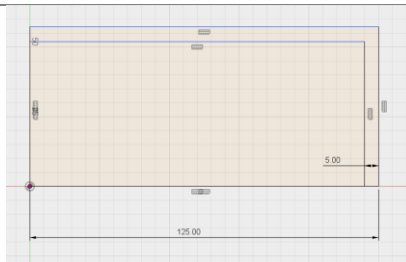
1. Start a new design and create a sketch on the XY plane.



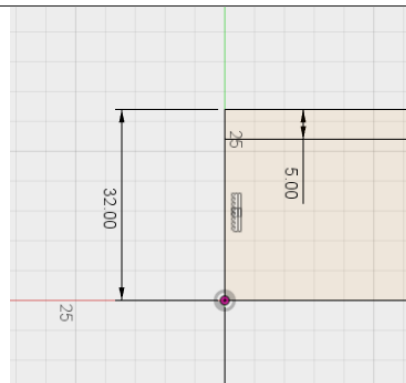
2. Draw 2 different 2 point rectangles starting from the origin up into the positive XY direction.



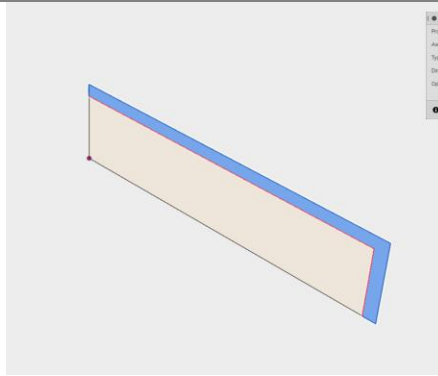
3. Add a horizontal distance of 125mm to the outside rectangle and a distance between them of 5mm.



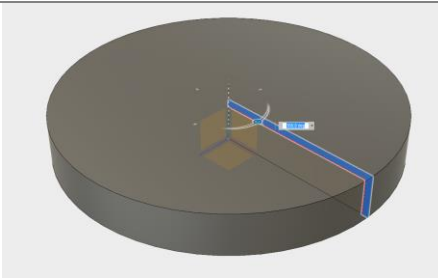
4. Add a vertical dimension of 32mm to the larger rectangle with a distance of 5mm between them.



5. Stop the sketch and select Create > Revolve. Use the area shown as the profile.



6. Use the Y axis or vertical line from the origin as the Axis and OK the operation.



7. Apply a 10mm fillet to the internal edge and a 15mm fillet to the external edge. Save the file as L3-PE-01.

