Practice Exercise – Rotating Slider Mechanism

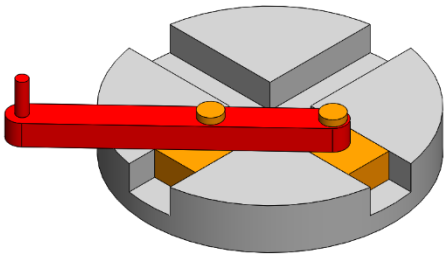
Section 5 – Assembly Design, Suggested Outline: Beginner to Certification

Summary:

In this exercise, you'll create a Rotating Slider Mechanism that connects an arm to two sliding blocks. The arm will be able to rotate in a circle while moving the blocks within the grooved base.

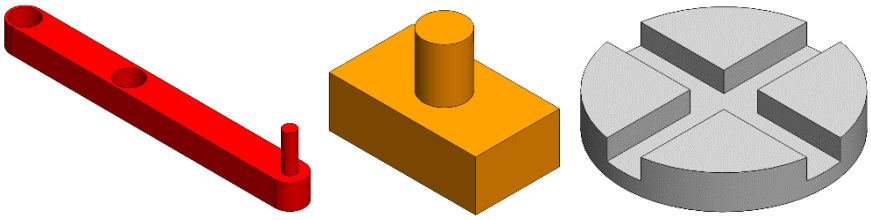
Reference Lessons:

- Starting an Assembly
- Inserting Additional Components
- Move Components
- Mating the Wheel
- Mating the Pin



Instructions:

1. Download and unzip the part files here.
2. Open the three parts "Arm", "Block", and "Grooved Base".



3. Create a new assembly using these three components as shown in the image below. The Blocks should slide in the grooves on the Grooved Base, and the Arm should connect to the two blocks so that the arm can rotate and move the blocks.