

## **What You Need to Get Started**

Included in the Starter Kit:

Windows 10-11 Application

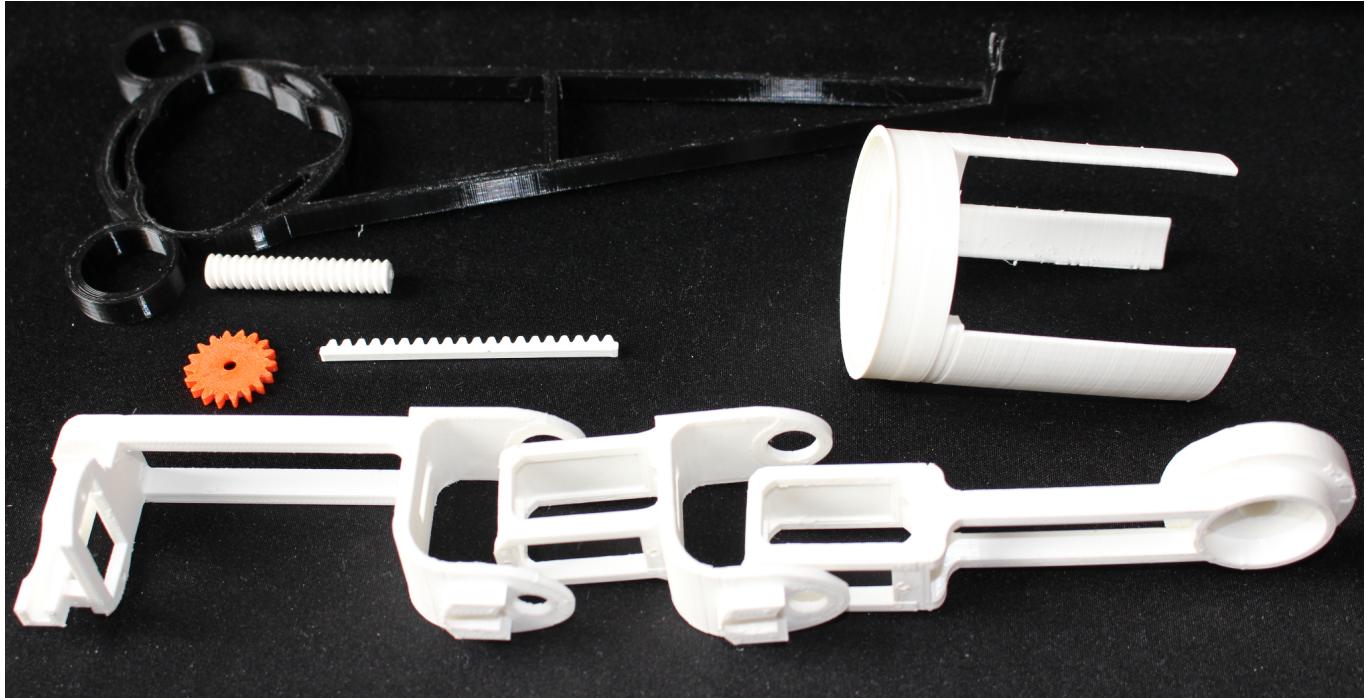
Arduino .ino File (requires updating your Arduino)

STL Files for 3D Printing

Comprehensive Documentation on Assembly and Operation

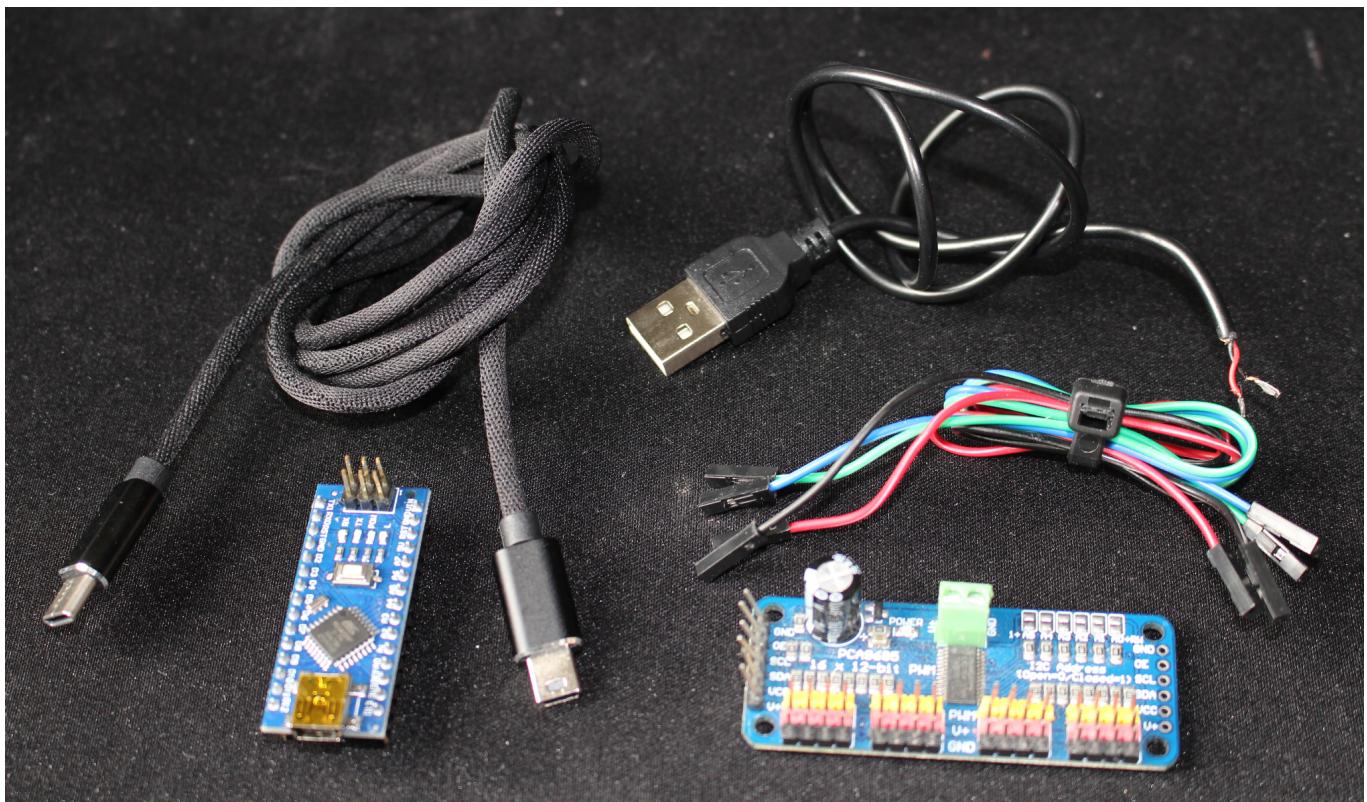
## Before Assembling the RoBoArm, Please Ensure the Following:

1. Print the STL files available in the file storage.

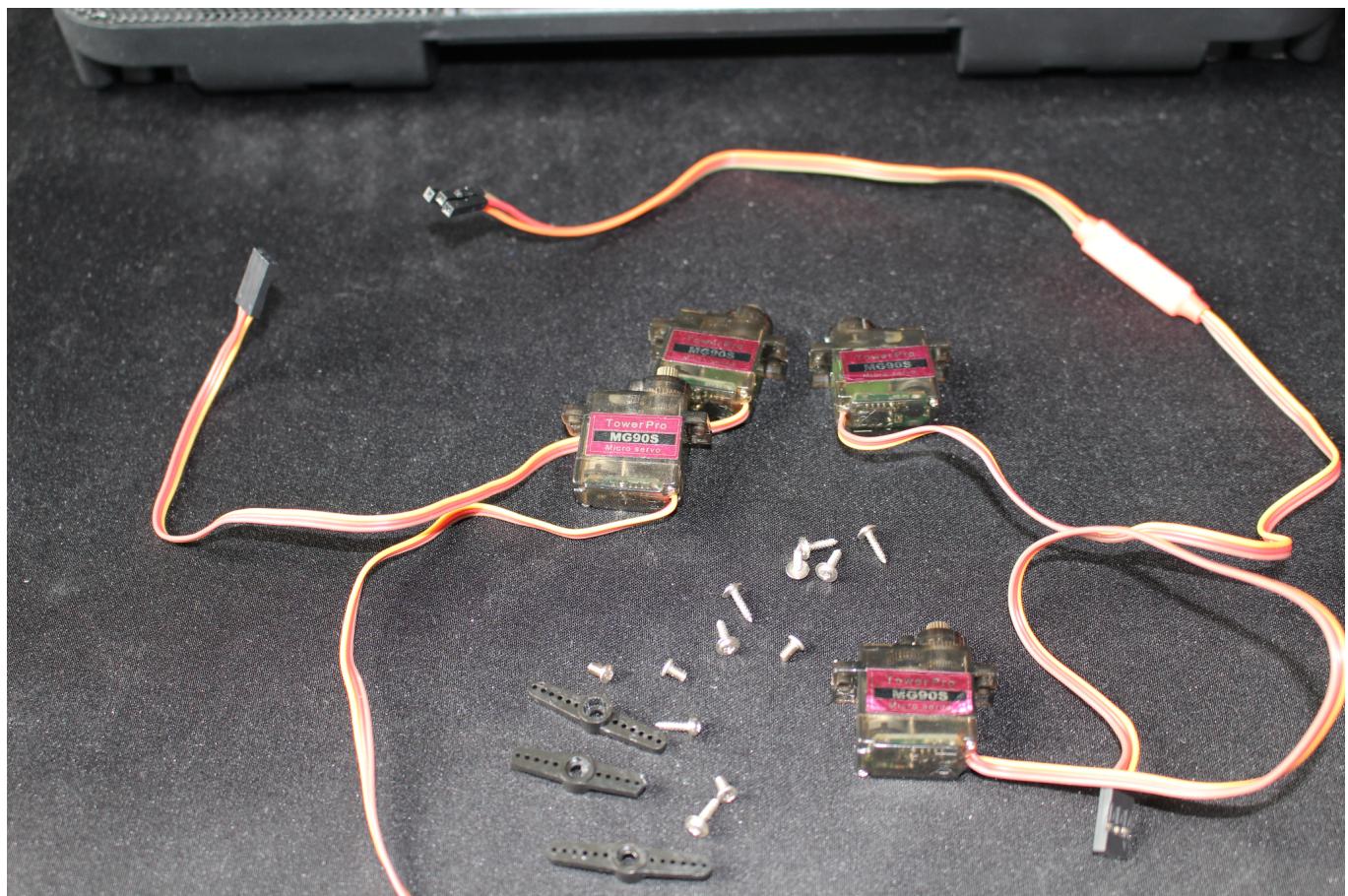


2. You will need to purchase the following items:

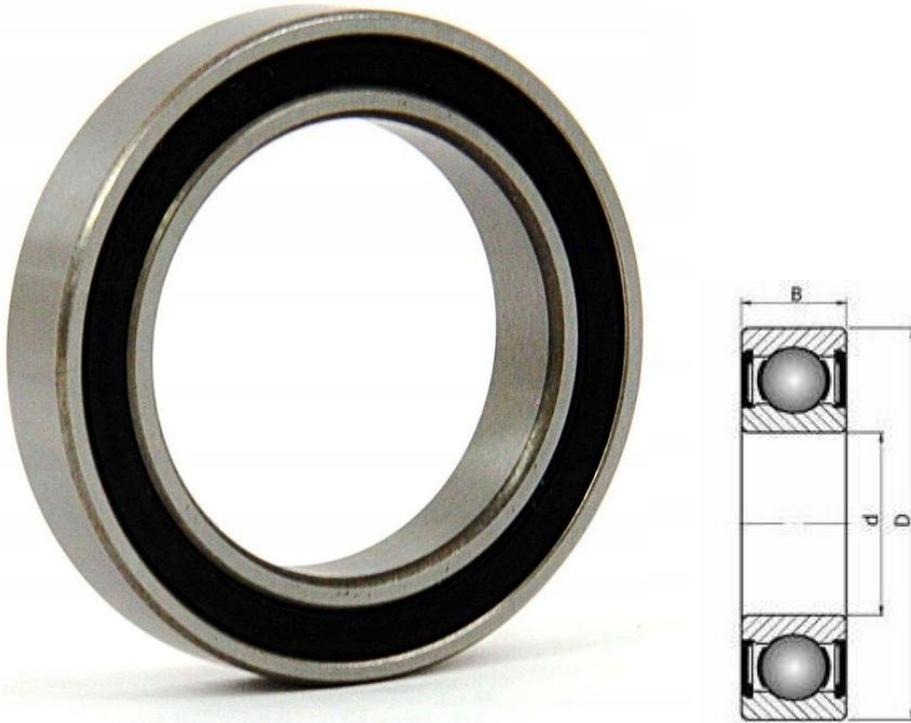
- An Arduino Nano
- A PCA9685 16-channel servo motor board
- The necessary wires (please check in wiring folder)



3. Four SG90 or (MG90S) 180-degree servo motors
4. Additional wires for two of the motors



5. You need 1 bearing 35x47x7-mm

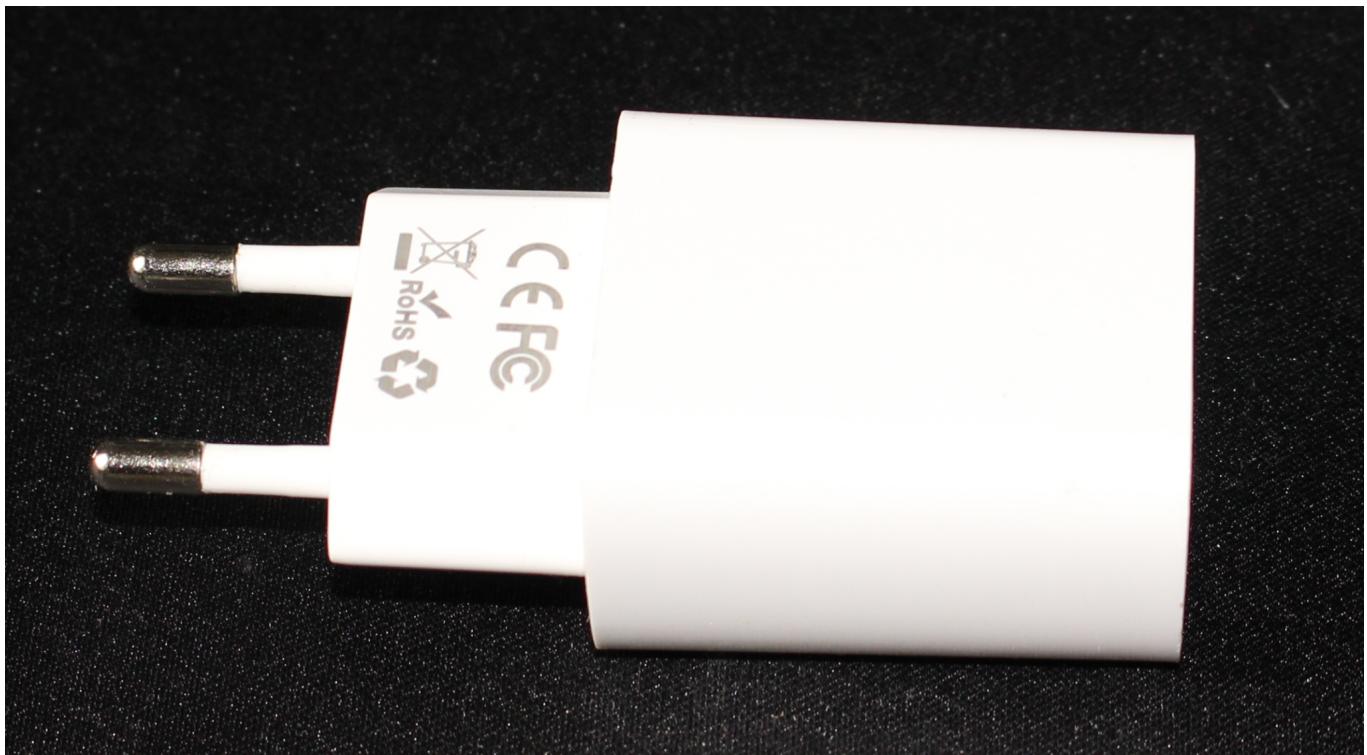


**d**  
**35**

**D**  
**47**

**B**  
**7**

6. And have 1 USB 2.0 power adapter 5V 1-2A to power supply PCA9685 16 servo motors board



3d printed parts (stl files for printing provided in file storage)

Connect Arduino NANO to Windows 10, 11 PC with installed Arduino drivers. If it's done you should see it in the Device manager like so. Depend on your Arduino version.



CH340 drivers <https://www.arduino.eu/ch340-windows-10-driver-download/>