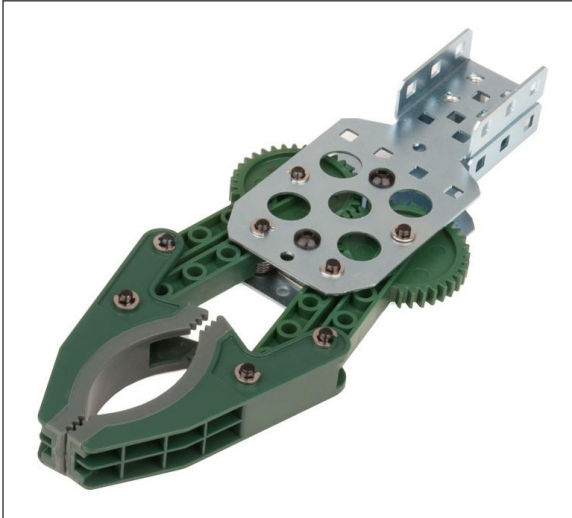


Reference

Claw Kit Overview and Natural Language Sample Code



VEX Claw Kit

The VEX Claw Kit is a full claw construction set that is fully compatible with other VEX parts. The claw easily mounts onto an already constructed arm using only a handful of screws.

The claw, pictured left, comes partially pre assembled, but notably does not include a motor or servo, you will need to order one separately. Since it uses a standard VEX motor or servo, programming the claw is relatively simple.

Claw Using Motor

This code sample uses a motor in Port 6 to control the movements of the claw. The Claw will open for one second, pause for one second, and then close for one second. Make sure that the claw is in the "closed" position before running the program.

```
task main()
{
    motor[port6] = 50; //Turn on claw motor to open
    wait(1);          //Wait for 1 second

    motor[port6] = 0; //Stop claw motor
    wait(1);          //Wait for 1 second

    motor[port6] = -50; //Turn on claw motor to close
    wait(1);          //Wait for 1 second
}
```

Claw Using Servo

This code sample uses a servo in Port 7 to control the movements of the claw. The Claw will open to position 100, pause for one second, and then close to position -30. Note that your servo positions for "opened" and "closed" may be different depending on how your servo is mounted.

```
task main()
{
    setServo(port7, 100); //Open claw to position 100
    wait(1);              //Wait for 1 second
    setServo(port7, -30); //Close claw to position -30
}
```