

1. Tripod

- a. Measure key ring diameter with callipers
- b. Select drillbit of that size and drill a small hole at the base of each leg of the tripod.
- c. Thread a key ring through each of the legs so that three of them are secure.

2. Rod

- a. Cut rod into 4, 2-foot pieces.
- b. Drill small holes for set screw couplings:
 - i. 2 pieces: do both sides
 - ii. 2 pieces: do one side
- c. Thread wire through rod
- d. Attach couplings and secure to elbow

3. Elbow and Threaded Stopper

- a. Measure tripod screw (or get a new one)
- b. Create an aluminum shaft that is near the inner diameter of the elbow.
- c. Tap the center of the shaft with a thread the size of the screw
- d. Press fit the shaft into the elbow and screw in to the tripod.
- e. **ALTERNATIVE:** Machine an anchoring plate for the elbow to distribute the torque and better secure the elbow