



**Purpose:** To determine the diameter of the hole in the base of a bowling pin.

**Materials:**

- Bowling Pin to be tested
- Digital Caliper

**Procedure:**

1. Push the black power button on the digital caliper.
2. Slide the jaws of the digital caliper closed and push the black power button once more to zero the digital caliper.
3. Place the small jaws of the digital caliper inside the hole on the bottom of the base of the bowling pin.
4. Slide the small jaws of the digital caliper apart inside the hole on the bottom of the base of the bowling pin.
5. Read the display on the digital caliper.
6. Rotate the digital caliper in the hole and check to make sure the maximum diameter of the bowling pin base hole is being measured.
7. Add 0.4 inches to the measurement displayed on the caliper (this is the offset associated with the small jaws of the caliper) and record the maximum diameter of the hole on the bottom of the base of the bowling pin in inches.