



Purpose: To determine the flat diameter of the base of a bowling pin.

Materials:

- Bowling Pin to be tested
- Blank sheet of paper
- Bowling Pin Step Gauge
- Digital Caliper
- Stamp ink
- Stamp ink pad

Procedure:

1. Place a blank sheet of paper on the flat level base of the bowling pin step gauge.
2. Liberally apply fresh stamp ink to a stamp ink pad.
3. Thoroughly coat the base of the bowling pin with ink by setting the bowling pin base on the stamp ink pad.
4. Place the base of the bowling pin straight down onto the blank piece of paper. Apply pressure in a downward direction to the bowling pin without rocking the bowling pin.
5. Lift the bowling pin straight up off the paper and place the pin to the side. Lay the bowling pin on its side so as not to get any residual ink on a counter or the operator.
6. Push the black power button on the digital caliper. Slide the jaws of the digital caliper close and push the black power button once more to zero the digital caliper.
7. Measure the outside diameter of the bowling pin imprint on the piece of paper using the digital caliper. It is important to ensure the operator is measuring the maximum outside diameter of the bowling pin imprint.
8. Record the maximum outside diameter of the bowling pin imprint (base flat diameter) in inches.