



Purpose: To determine the diameter of a bowling pin at the 13 different designated heights of a bowling pin.

Materials:

- Bowling Pin to be tested
- Bowling Pin Step Gauge
- Digital Caliper

Procedure:

1. Place the bowling pin on the surface of the Bowling Pin Step Gauge with the manufacturer's label on the right side of the bowling pin.
2. Slide the bowling pin all the way to the back of the Bowling Pin Step Gauge so it is against the back bar.
3. 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.
4. Slide the jaws of the digital caliper apart so the bowling pin can fit between them and place the digital caliper across the top step of the Bowling Pin Step Gauge with the opening of the jaws are facing the operator.
5. Slide the jaws of the digital caliper together until both jaws make contact with each side of the bowling pin.
6. Rotate the pin to find the maximum diameter and record the measurement on the digital caliper display in inches.
7. Move the digital caliper one step down on the Bowling Pin Step Gauge and repeat steps 5-6 until the diameter in inches at each of the 13 step locations on the bowling pin have been recorded.