

Holladay-Godwin Cornea Gauge

for measuring

horizontal corneal diameter (horizontal white-to-white)

Instructions

The average horizontal white-to-white in the population is 11.7 mm. The **Holladay-Godwin Cornea Gauge** has diameters ranging from 9.0 mm to 11.5 mm on side 1 and 11.5 mm to 14.0 mm on side 2. The values get larger starting from the smallest diameter in a clock-wise direction on both sides. The 11.5 mm diameter is at the same position on both sides.

The measurement is taken with the examiner approximately 16" from the patient's eye. The examiner should close one eye (the non-dominant eye) and ask the patient to cover one eye and look directly at the examiner's eye. Using one eye for the examiner and patient avoids any parallax errors. The nearest gauge diameter that matches the patient's horizontal white-to-white is the correct measurement, and if it is half-way between two diameters, simply interpolate (i.e., if between 11.5 mm and 12.0 mm, the value would be 11.75 mm). We have found this method to be well within the ± 0.5 mm tolerance needed for this value.