



## D-279 Alignment Collimator



- Optical line of sight testing
- Straightness of focusable optical instruments
- Infinity target
- Bench mark

The D-279 Alignment Collimator is an optical line of sight testing fixture and target, utilized primarily as a means of testing the straightness of the line of sight of focusable optical instruments. In addition, the D-279 may be utilized as an infinity target or benchmark for calibrating focused instruments.

Six filar-bifilar type reticles provide alignment targets at different distances from the collimator objective. The virtual image distance of each reticle at 0, 8, 16, 32 and 64 feet (2.4, 4.9, 9.6 and 19.5 m) is inscribed in the first quadrant of that reticle. The infinity reticle has the additional feature of a stadia scale with graduations equal to 1 arc minute  $\pm 2$  arc seconds.

### Specifications:

<b>Reticle Alignment:</b>	All reticles and the objective lens are aligned to within 5 minutes
<b>Reticle Concentricity:</b>	All reticle centers are made concentric with the outside diameter of the mounting tube to within 0.001 inch (2.5 $\mu$ m)
<b>Light Source Adapter:</b>	An adapter is supplied for mounting a lamp assembly with standard 2"-24 N.S. threads
<b>Dust Prevention:</b>	The zero reticle on the front and a filter on the rear seal the collimator against dust
<b>Length:</b>	13.36 inch (339 mm)
<b>Diameter:</b>	2.249 inch (57 mm)
<b>Material:</b>	Hardened stainless steel
<b>Finish:</b>	Ivory enamel and chrome
<b>Weight:</b>	12 lbs (5.9 kg)
<b>Shipping Weight:</b>	24 lbs (10.9 kg)