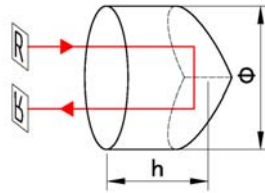


Porro Prism



Porro prism is a type of reflection prism which can be used to alter the orientation of an image. Light enters the large face of the prism, then hits on the roof, by total internal reflection twice from the roof, the beam exits again through the large face. An image traveling through a Porro prism is rotated by 180° but not inverted.

Specification:

Material.....BK7 grade A optical glass
 Dimension Tolerance..... $\pm 0.2\text{mm}$
 180° Deviation Tolerance.....见下表
 Flatness.....Reflecting Surfaces: $\lambda/10$, I/O surface: $\lambda/8$ @632.8nm
 Wave distortion..... $\lambda/4$ @632.8nm
 Surface Quality.....60-40 scratch and dig
 Charmfer..... $<0.5\text{mm} \times 45^\circ$
 Coating.....No Coating

P/N	Φ	h	deviation
20501	12.7	12.7	$<1''$
20502	25.4	25.4	$<1''$
20503	12.7	12.7	$<5''$
20504	25.4	25.4	$<5''$
20505	12.7	12.7	$<10''$
20506	25.4	25.4	$<10''$

- Demension unit:mm
- Other sizes and coatings are available upon request.