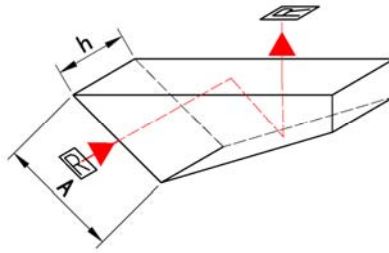


Half Penta Prism



Half Penta Prism is used to deflect a straight light 135 degree, it is exactly an half cut from penta prism, it is widely used in telescope systems.

Specifications:

Material.....N-BK7 glass grade A

Dimension Tolerance..... $\pm 0.1\text{mm}$

Clear Aperture..... $>90\%$

Deviation Tolerance.....see table

Surface Quality.....60-40

Flatness..... $<\lambda/4@632.8\text{nm}$

Chamfer..... $<0.5\text{mm}\times 45^\circ$

Coating:

① I/O Surfaces: AR coating, $R_{\text{avg}} < 0.5\%$ @450~650nm

② Reflecting Surface: Enhanced Alumium with black paint, $R_{\text{avg}} > 85\%$ @400~700nm

P/N	A×h	deviation
20410	10×10	<3'
20411	10×10	<1'
20412	15×15	<3'
20413	15×15	<1'
20414	18×18	<3'
20415	18×18	<1'

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