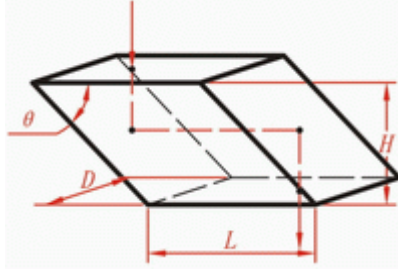


Rhombic Prism



Rhomboid prism can displace a laser beam without change the image orientation, the input beam is totally internal reflected by two 45° faces and goes out from the output face. Then, a lateral displacement is produced. Higher transmission rate can be achieved by anti-reflective coating on the input and output faces. Rhomboid prism is always used in stereoscopic system and periscope system.

Specifications:

Material.....BK7 grade A optical glass

Dimension Tolerance.....+0.0, -0.1mm

Clear Aperture.....> 90%

Surface Quality.....60-40

Flatness..... $\lambda/8$ @632.8nm

Parallelism.....< 5 arc seconds

Angle Tolerance.....< 1 arc minute

Bevel.....<0.5mm x 45°

P/N	H	L	D	θ
20801	10.00	10.00	10.00	45°
20802	15.00	15.00	15.00	45°

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