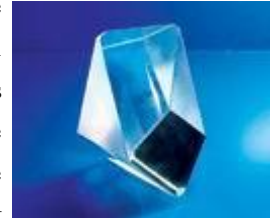


## Roof Prisms

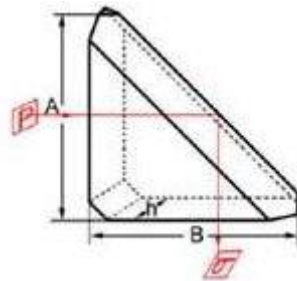
The roof prism deviates or deflects the image through an angle of 90 degrees. Basically, the roof prism is a right-angle prism whose hypotenuse has been replaced by a 90-degree total internal reflection roof. Cleanliness and quality of the total internal reflection roof surfaces is important. The 90-degree deviation applies only to rays, which are precisely normal to the entrance and exit faces. All other rays are deflected by varying amounts in exactly the same manner of an ordinary right-angle prism. The roof prism finds applications in situations that demand both right-angle deflection and image erection, such as in some instrument viewfinders.



### Roof Prisms

#### Specifications:

- Material: **BK7 Grade A**
- Dimension Tolerance:  $\pm 0/-0.2\text{mm}$
- Roof Angle Tolerance:  $\pm 3$  arc min
- Deviation: 180degree  $\pm 3$  arc min
- Flatness:  $\lambda/4$  @632.8nm
- Surface Quality: 60/40
- Bevel: 0.2mm to 0.5mm



A(mm)	B(mm)	C(mm)	Product No.
20.0	20.0	27.4	RFP0101
23.0	23.0	31.5	RFP0102
30.0	30.0	41.1	RFP0103