

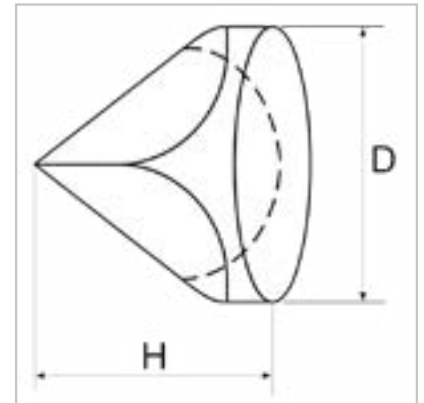
Solid Retroreflectors

Triple Prism/Corner Cube

Solid retroreflectors are known by many names, among them cat's eyes. Triple prisms are commonly used for optical adjustment.

They are especially well suited for small dimensions and simultaneously rigorous demands regarding the maximum beam deflection. Because they are manufactured from one piece, the angle deviations of the surfaces are minimal.

In these prisms the total reflection is utilized, rendering a mirror coating unnecessary. An AR coating on the entrance surface is possible.



Specifications

- Material: BK7
- Dimension tolerance: + 0.0 mm; - 0.2 mm
- Beam deviation: < 2, 5, 10 arcsec
- Surface figure: 3/0.5 according to ISO 10110 I/4 according to MIL-O-1380A
- Surface quality: 5/4 x 0.1 for 1.0" substrates according to ISO 10110 40-20 according to MIL-O-1380
- Protective chamfer: ~0.1 mm x 45°
- Clear aperture: 85 % of diameter

Product Code

SRR	-12.7	-2	-C
Product Code (Solid Retroreflector)	Entrance Diameter in mm	Beam Deviation in Arc Seconds	Material Code C: BK7 UV: Fused Silica

Other specifications are available upon request.