

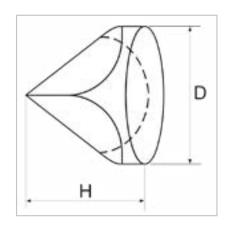
Solid Retroreflectors

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

3/0.5 according to ISO $10110 \, l/4$ Surface figure

according to MIL-O-1380A

Surface quality: $5/4 \times 0.1$ for 1.0" substrates

according to ISO 10110

40-20 according to MIL-O-1380

~0.1 mm x 45° Protective chamfer: 85 % of diameter Clear aperture:

Product Code

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

Other specifications are available upon request.

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