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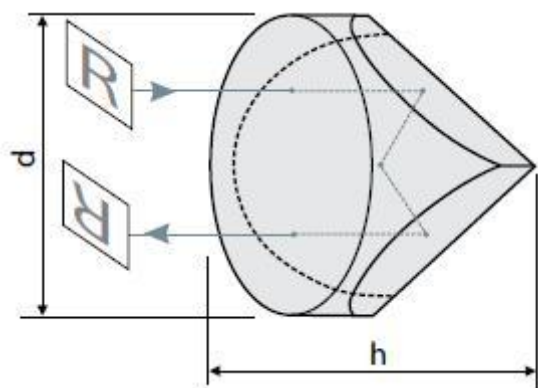
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- Incident light deviates by 180 degrees independently of the angle of incidence
- Mainly used in high precision applications or with lasers over very long distances
- Various dielectric coatings can be deposited upon request

BK7 or UVFS Corner cube retroreflectors designed to deviate incident light by 180 degrees independently of an angle of incidence. These prisms have 3 mirror surfaces making angles of 90 deg to each other, juxtaposed to form the corner of a cube with the entrance face perpendicular to cube diagonal. All beams, despite of incident direction, are reflected back to the original direction. Corner cubes are used in high precision applications or with lasers over very long distances.

Corner Cube Retroreflectors

Material	Diameter, D	Height, H	Ordering code
BK7	22 mm	17,5 mm	14CCR-22-17.5-1
BK7	25,4 mm	17,5 mm	14CCR-25.4-17.5-1
BK7	25,4 mm	19 mm	14CCR-25.4-19-1
BK7	38,1 mm	28,5 mm	14CCR-38.1-28.5-1
BK7	50,8 mm	38 mm	14CCR-50.8-38-1
BK7	63,5 mm	48 mm	14CCR-63.5-48-1
UVFS	22 mm	17,5 mm	14CCR-22-17.5-2
UVFS	25,4 mm	17,5 mm	14CCR-25.4-17.5-2

Standard Specifications

Material	BK7, UVFS
Dimension Tolerances	+0.0/-0.3 mm
Surface Quality	40-20 scratch & dig
Flatness	$\lambda/4 @ 633 \text{ nm}$
Beam Deviation	$180^\circ \pm 30 \text{ arcsec}$
Angular Deviation	$\pm 5 \text{ arcsec}$
Clear aperture	>80%
Coating	Uncoated

Ordering

BK7 Corner Cube Retroreflectors	▼	1	
UVFS Corner Cube Retroreflectors	▼	1	

