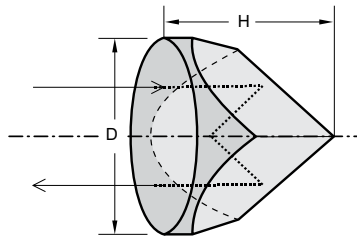


CORNER CUBES

- Incident light deviates by **180 degrees independently of the angle of incidence**

These prisms have 3 mirror surfaces making angles of 90° to each other, juxtaposed to form the corner of a cube with the entrance face perpendicular to the cube diagonal. Respective of an incident direction, all beams are reflected back to the original direction. Solid corner cubes are used in high precision applications or with lasers over very long distances. These "angle insensitive" mirrors therefore find frequent applications in situations where orientation is difficult or impossible to control and where a mirror would therefore be unsatisfactory.

Contact us for other types of prisms e.g. trapezoidal, various isosceles, Dove, Amici, Penta, etc.



SPECIFICATIONS

Material	BK7, UV FS
Surface quality	60–40 scratch & dig (MIL-PRF-13830B)
Surface flatness	$\lambda/4$ at 633 nm
Angle tolerances	± 5 arcsec
Beam deviation	$180^\circ \pm 30$ sec
Diameter tolerance:	+0.0/-0.3mm
Clear aperture	>80%
Uncoated	

Material	Catalogue Number	Diameter D, mm	Height H, mm	Price, EUR
BK7	340-0217	22.0	17.5	120
	340-0217M	25.4	17.5	140
	340-0219	25.4	19.0	145
	340-0329	38.1	28.5	175
UV FS	340-1217	22.0	17.5	165
	340-1217M	25.4	17.5	185

Models **340-0217M** and **340-1217M** are mounted into black anodized aluminium ring $\varnothing 25.4$ mm and clear aperture $\varnothing 17$ mm.



Most of the Corner Cubes are available for fast off-the-shelf delivery. Check the availability at www.eksmaoptics.com



Mounting Suggestion



MOUNTING

Corner cube (**340-0217M**, **340-1217M**) is mounted into black anodized aluminium ring $\varnothing 25.4$ mm and clear aperture $\varnothing 17$ mm.



HOUSING ACCESSORIES

Kinematic Mirror and Beamsplitter Mount 840-0020

See page 8.58

