

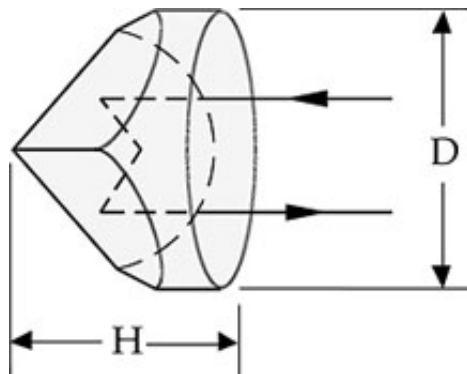


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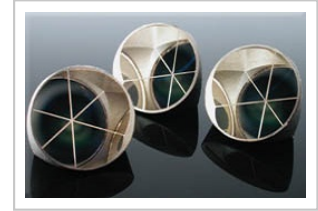
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Corner Cubes / Solid Retro Reflectors (CCP)



180° bending prisms
 2 dimensional
 constant deviation
 Total internal
 reflection at three
 faces



Corner cubes are excellent retro-reflectors. They return an incoming beam in the opposite direction along the same path. They produce a two dimensional 180° beam deviation making them useful for alignment purposes. These prisms are manufactured from BK7A or Fused Silica and may be selected to have 2, 5 or 10 arc sec angular deviation tolerance. The prisms are supplied uncoated but Lambda can apply anti-reflection coatings to the entrance face and protected metallic coatings to the three cube corner faces as required.

Material:	BK7A UV Fused Silica
Angular Deviation	< 2 arc sec < 5 arc sec < 10 arc sec
Surface Flatness:	< $\lambda / 4$
Surface Quality:	<40/20

Dimension Tolerance:	< + 0.00 / – 0.20 mm
Clear Aperture:	> 85% in central circular dimension
Bevel:	0.1 mm (typical) x 45° on Exit / Entrance face.No bevel on the apex of the corner. (Sharp edge)

Part No	Diameter	H (mm) – reference only	Material
CCP-06.3B	0.25"	5.0mm	BK7A
CCP-10B	10mm	7.5mm	BK7A
CCP-12.7B	0.5"	9.5mm	BK7A
CCP-15B	15mm	11.5mm	BK7A
CCP-20B	20mm	15.0mm	BK7A
CCP-25.4B	1.0"	19.0mm	BK7A
CCP-38.1B	1.5"	28.5mm	BK7A
CCP-50.8B	2.0"	37.5mm	BK7A
CCP-12.7U	0.5"	9.5mm	UV Grade Fused Silica

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Diameter	<input type="text" value="Choose an option"/>
Material	<input type="text" value="Choose an option"/>
Wedge	<input type="text" value="Choose an option"/>

Angle

-	1	+
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Add to cart

ROHS	COMPLIANT
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Additional information

DIAMETER	<i>"0.5" dia, "0.25" dia, 10mm dia, 15mm dia, 20mm dia, "1.0" dia, "1.5" dia, "2.0" dia</i>
MATERIAL	<i>BK7 Grade A, UV Grade Fused Silica</i>
WEDGE ANGLE	<i>2 arc seconds, 5 arc seconds, 10 arc seconds</i>