

TECHSPEC® 12.7mm Mounted Corner Cube Retroreflector



Mounted N-BK7 Corner Cube Retroreflectors



Stock #45-203 In Stock

⊖ 1 ⊕ €354.⁰⁰

ADD TO CART

Qty 1-5
€354,00

Qty 6+
€283,00

Volume Pricing
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads



SPECIFICATIONS

General

Type:
Retroreflector

Physical & Mechanical Properties

Diameter Tolerance (mm):
+0.0/-0.1

Inner Diameter (mm):
12.70

Outer Diameter (mm):
31.75

Housing Tolerance (mm):
Outer Diameter: +0/-0.5, Height: ±0.25

Optical Properties

Beam Deviation (arcsec):
±5

Coating:
Silver with protective overcoat

Substrate:
[N-BK7](#)

Surface Quality:
60-40

Image Orientation:
Left-Handed

Coating Specification:
Reflective Surfaces: $R_{\text{abs}} > 97\%$ FROM400 - 2500nm
@ 0° AOI
 $R_{\text{avg}} > 98\%$ FROM400 - 2500nm @ 0° AOI

Ray Deviation (°):
180

Wavelength Range (nm):
500 - 10000

Power (fringes) @ 632.8nm:
0.25

Irregularity (fringes) @ 632.8nm:
0.25

Threading & Mounting

Mounting Threads:
(2) 1/4-20 Tapped Holes

Regulatory Compliance

RoHS 2015:
Not Compliant

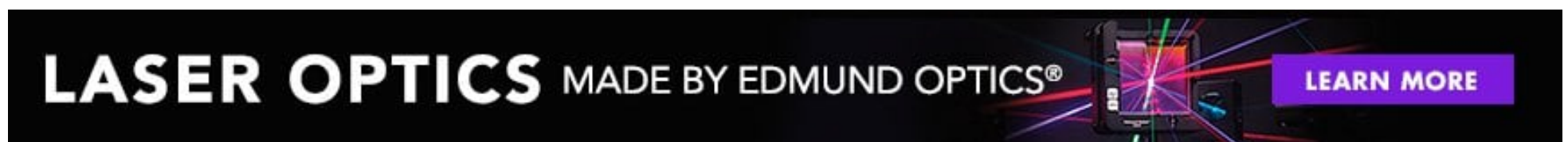
Certificate of Conformance:
[View](#)

PRODUCT DETAILS

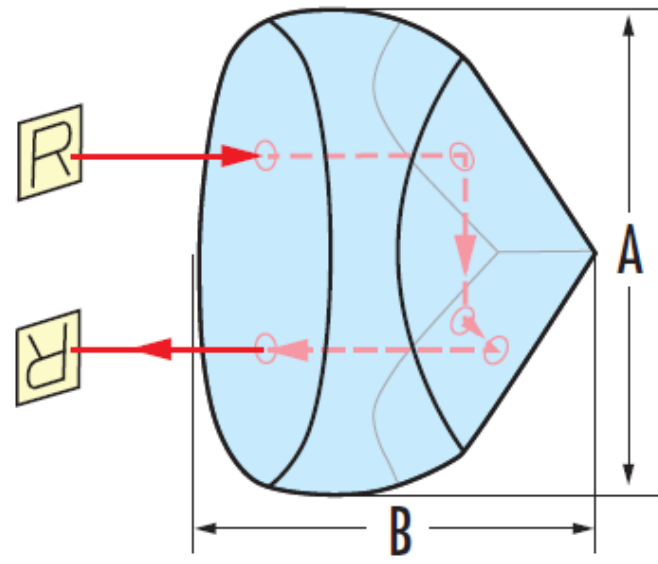
- Incident Light is Reflected Back to the Source
- Useful for Surveying and Alignment
- 1/4-20 Tapped Holes for Easy Mounting
- Also Available [Unmounted](#)

TECHSPEC® Mounted N-BK7 Corner Cube Retroreflectors are mounted in an aluminum body and held in place with RTV potting cement. Due to their complex shape, corner cube retroreflectors can often be challenging to mount. These retroreflectors provide a convenient and durable solution. TECHSPEC® Mounted N-BK7 Corner Cube Retroreflectors are easily integrated via two 1/4-20 tapped holes. In addition, each retroreflector has silvered reflecting surfaces to decrease polarization effects and increase field of view. For dimension details, see the "Technical Information" tab.

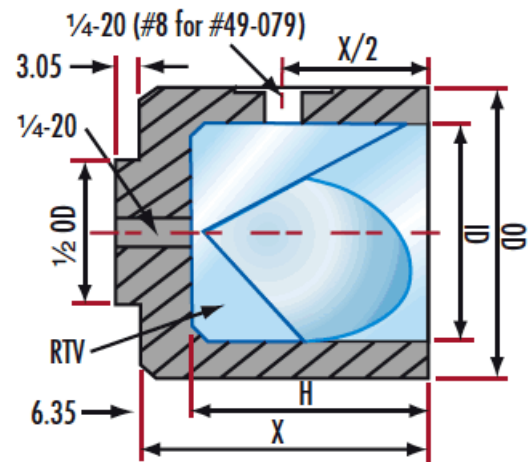
Corner cube retroreflectors are designed to reflect any ray or beam entering the prism face, regardless of the prism's orientation, back onto itself. A mirror will only do that at the normal angle of incidence. As a result, corner cube retroreflectors are ideal where precision alignment is difficult or time-consuming.



TECHNICAL INFORMATION



Stock No.	Inner Diameter ID	Outer Diameter OD	H	X
#49-079	7.16	25.40	7.92	14.27
#45-203	12.7	31.75	11.73	18.08
#12-216	12.7	31.75	11.73	18.08
#12-671	12.7	31.75	11.73	18.08
#45-188	25.4	38.10	20.62	26.98
#12-217	25.4	38.10	20.62	26.98
#12-672	25.4	38.10	20.62	26.98
#45-190	38.1	50.80	31.06	37.41
#45-192	50.8	63.50	39.95	46.30
#49-080	63.5	76.20	49.83	56.18
#49-081	76.2	88.90	58.72	65.07



Units: mm