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**TECHSPEC®**

## 50.8mm Dia. Protected Aluminum Coated, Mounted Fused Silica Corner Cube Retroreflector



Mounted Fused Silica Corner Cube Retroreflectors

Stock **#15-822** **2 In Stock**

⊖ 1 ⊕ €690<sup>00</sup>

**ADD TO CART**

Volume Pricing

|            |                               |
|------------|-------------------------------|
| Qty 1-5    | €690,00 each                  |
| Qty 6-25   | €555,00 each                  |
| Qty 26-49  | €515,00 each                  |
| Need More? | <a href="#">Request Quote</a> |

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

**General**

Retroreflector **Type:**

**Physical & Mechanical Properties**

Diameter Tolerance (mm):

+0.0/-0.1

Inner Diameter (mm):

50.8

Outer Diameter (mm):

63.5

Housing Tolerance (mm):

Outer Diameter: +0/-0.5, Height: ±0.25

## Optical Properties

Beam Deviation (arcsec):

±3

Coating:

Aluminum with protective overcoat

Substrate:

[Fused Silica](#) (Coming 7980)

Surface Quality:

20-10

Image Orientation:

Left-Handed

Coating Specification:

Reflective Surfaces:  $R_{avg} > 85\%$  FROM 400-700nm, @ 45° AOI

Ray Deviation (°):

180

Wavelength Range (nm):

400 - 700

Power (fringes) @ 632.8nm:

0.20

Irregularity (fringes) @ 632.8nm:

0.20

## Threading & Mounting

Mounting Threads:

(2) 1/4-20 Tapped Holes

## Regulatory Compliance

Certificate of Conformance:

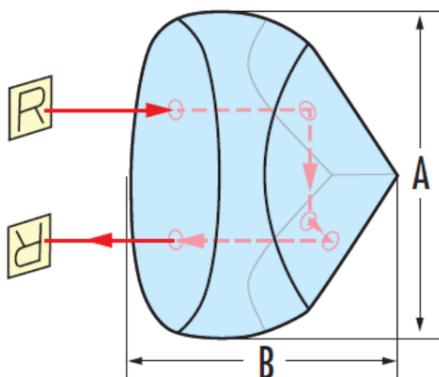
[View](#)

## Product Details

- 1/4-20 Tapped Holes for Easy Mounting
- Excellent Transmission in the UV
- Useful for Surveying and Alignment
- Also Available [Unmounted](#)

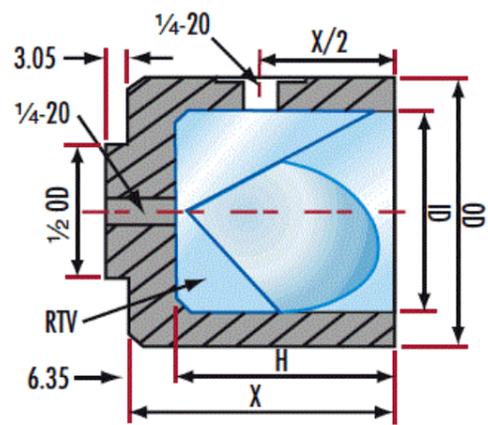
TECHSPEC® Mounted Fused Silica Corner Cube Retroreflectors are pre-mounted in anodized aluminum housings with two 1/4-20 tapped holes for easy integration into optical systems. Corner cube retroreflectors are designed to reflect any ray or beam entering the prism face, regardless of the orientation of the prism, back onto itself. Mirrors will only do this at a normal angle of incidence, making corner cube retroreflectors better suited for applications where precision alignment is difficult or time-consuming. TECHSPEC Mounted Fused Silica Corner Cube Retroreflectors are ideal for prototyping or research applications that require convenient, durable mounting solutions. These mounted retroreflectors provide excellent transmission in the UV.

## Technical Information



| Stock No.               | Inner Diameter ID | Outer Diameter OD | H     | X     |
|-------------------------|-------------------|-------------------|-------|-------|
| <a href="#">#15-817</a> | 12.7              | 31.75             | 11.73 | 18.08 |
| <a href="#">#15-818</a> | 12.7              | 31.75             | 11.73 | 18.08 |
| <a href="#">#15-819</a> | 25.4              | 38.10             | 20.62 | 26.98 |

|         |      |       |       |       |
|---------|------|-------|-------|-------|
| #15-820 | 25.4 | 38.10 | 20.62 | 26.98 |
| #15-821 | 50.8 | 63.50 | 39.95 | 46.30 |
| #15-822 | 50.8 | 63.50 | 39.95 | 46.30 |



Units: mm