

**TECHSPEC® Unmounted Protected Gold Hollow Retroreflector**



TECHSPEC® Unmounted Hollow Roof Retroreflectors

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**General**

Retroreflector **Type:**

**Physical & Mechanical Properties**

90 **Clear Aperture (%):**

12.50 and 17.70 **Length of Legs (mm):**

90 ±10 arcsec **Accuracy (°):**

## Optical Properties

Protected Gold **Coating:**

[Fused Silica](#) **Substrate:**

20-10 **Surface Quality:**

**Coating Specification:**  
R<sub>avg</sub> >96% @ 700 - 2000nm  
R<sub>avg</sub> >96% @ 2000 - 10,000nm

180 **Ray Deviation (°):**

700 - 10000 **Wavelength Range (nm):**

## Regulatory Compliance

[View](#) **Certificate of Conformance:**

## Product Details

- Ideal for Redirecting Light in One Axis
- Hollow Design Minimizes Dispersion
- Replaces Solid Roof or Porro Prisms in Optical Assemblies

TECHSPEC® Unmounted Hollow Roof Retroreflectors are constructed by cementing two coated prisms together to form a hollow roof. The hollow design enables these retroreflectors to be used over wide spectral ranges without loss due to dispersion or absorption. Incident light is reflected 180° back towards the source with great accuracy due to the 90° ± 10 arcsec roof tolerance. TECHSPEC Unmounted Hollow Roof Retroreflectors feature a 17.7 x 17.7mm footprint and can be mounted with [#17-242](#) and [#18-537](#). These retroreflectors are ideal for applications such as interferometry and optical delay lines.