



## 2" SCT Twist-Lock Carbon Dielectric Mirror Diagonal



**WARNING: Never look directly at the Sun with the naked eye or with this optic. Permanent, irreversible eye damage can result.**

## What's Included

- 2" SCT Quartz Diagonal
- 2" to 1.25" Eyepiece Adapter
- Dust cover (2x)

## Diagonal Specifications

SKU	Optical Path Length (mm)	Barrel size (in)	Nosepiece Thread Size (mm)	Telescope Thread Size (in)	Clear Aperture (mm)	Optical Substrate	Reflectivity	Weight
APT-D2QCFST	134	2	M48 x .75	2 x 24 tpi	38.75	Borosilicate (BK7)	99%	1lb 4.8oz

## How to Use the Diagonal with an SCT

Unlike other telescopes that have a focuser with a drawtube to hold eyepieces or a diagonal mirror, the Schmidt Cassigrain Telescopes (SCTs) use a 2" x 24 TPI thread on the back of the telescope to accept accessories such as eyepieces, diagonals, and cameras. These accessories stay rigidly attached to the back of the telescope. Typically, an SCT will come from the factory with a 2" x 24 TPI to 1.25" adapter. This adapter is frequently referred to as a "Visual Back." The Apertura 2" SCT Quartz Diagonal replaces this factory visual back.



To install the diagonal, first, unthread the visual back from the SCT. Then, thread the 2" SCT Quartz Diagonal in its place. Position the diagonal mirror so it faces a comfortable position, typically facing up.

The twist lock system allows for a speedy but secure installation. Twisting the knurled collar counterclockwise loosens the clamp. Once an eyepiece or 2" to 1.25" adapter is installed, the collar can be rotated clockwise to secure the eyepiece. By tightening the thumb screw, the tension on the collar can be adjusted which would require more effort to loosen or tighten the collar.

## Optional Accessories

The 2" SCT Twist-Lock Carbon Dielectric Mirror Diagonal can be converted to a standard 2" nosepiece for use in telescopes that accept a 2" barrel rather than a threaded connection. To install the nosepiece, unthread the SCT adapter from the diagonal body at the knurled ring.

Then, install the optional 2" M48 nosepiece (APT-M48NP) in place of the SCT adapter. Now, the 2" diagonal can be used with other types of telescopes or connections.



## Warranty

The Apertura Absolute Warranty provides two years of coverage against product defects. After the initial two-year warranty expires, this product qualifies for Apertura's Three-Year Accident Replacement Program. In addition, the Apertura Absolute Warranty is transferable! It is important to keep your original receipt and the product's original boxes and packaging, should you need to make a claim.