



## New Denkmeier 21mm and 14mm Eyepieces

The D21 and D14 Eyepieces have been designed and produced by Denkmeier Optical to be used specifically in Denkmeier Binoviewers with our Power x Switch™ and OCS™ systems. Denkmeier Eyepieces are made in America and each eyepiece pair is carefully tested in a Denkmeier Binoviewer before being shipped to each customer. This ensures that each pair is “matched” for perfect merging while being used in your Denk Standard or Denk II Premium Binoviewer.

Our eyepieces are expertly CNC machined incorporating state of the art methods. Production under the highest tolerance standard is Denkmeier policy. In this way, optical components within Denkmeier Eyepieces are retained properly so that the final combined image is produced with no eyestrain. These eyepieces are sold in pairs and also individually, and are maximized for use in all Denkmeier Binoviewer Systems that utilize Star\*Sweepers™, OCS™ components, Power x Switches™ and Power Switch Star Diagonals.



**Shown: Denkmeier D21s, Optional Eyepiece Vaults™, Carrying Case**

### Features Of Denk Eyepieces

Denkmeier Eyepieces utilize Special High Index Glass elements and are Fully Multi-Coated on all air to glass surfaces. The eyepiece bodies include rubber knurling for secure gripping. They are black anodized and laser engraved with our Denkmeier Logo. The special lightweight barrels are black anodized and the world's first rotating batwing eye-guards are standard on every eyepiece. This allows the eye-guard to be properly positioned by the user after the binoviewer SCD Holders™ are turned for fine focus. Sporting 20mm eye-relief, eyeglass wearers may fold the eye-guards down and a soft rubber rim remains to ensure that eyeglass lenses are never accidentally scratched by the eyepiece top surface. The very large 65-degree apparent field of view (AFOV) provides amazing wide field vistas. Outstanding color correction makes Lunar and

planet viewing a joy. Incredible contrast for Hydrogen Alpha Solar Viewing is the result due to our outstanding coatings. The edge illumination is optimized when using SCTs, Refractors or Newtonians with our Power x Switch Systems as compared with other long focal length wide-field eyepieces. All eyepieces are shipped fully protected in their own plastic bolt case and each eyepiece also includes plastic dust caps.

### **Optional Eyepiece Vault™**

In order to properly protect your eyepiece investment, Denkmeier Optical, Inc. introduced a new concept. When choosing the Vault Option (\$39 per pair for either the D14s or D21s), each eyepiece is encased in an Eyepiece Vault. The bottom of the eyepiece barrel is threaded, and so is the base of The Vault. The eyepiece housing never touches the interior walls of The Vault. Each Vault is made of anodized aluminum and is fully CNC Machined and laser engraved. Vaults are included with all Denkmeier eyepiece pairs. The eyecup is folded down and the eyepiece is threaded onto the clear anodized base of the Vault. Then the cover may be slipped over the eyepiece and threaded to the base. Your Denk Eyepieces are now fully protected from meteor showers! Eyepiece heaters (not included) may be used to heat the Vaults if desired.



**Shown: Open Optional Eyepiece Vault with D21 threaded into base. Simply thread the eyepiece into the Vault base and fold down the rubber eye-guard. Do not over tighten. Then, thread on the black cover.**

### **Specifications**

Available Focal Lengths: 21mm and 14mm

1.25" format

65 degree AFOV

Fully Multi-Coated on all air to glass optical surfaces for ultra-high-efficiency transmission

High Index Glass utilized

20mm Eye-relief

Black anodized aluminum housings and barrels with rubber knurl and laser engraved logo

Vaults are black anodized aluminum with laser engraved logo

Rotating batwing Eye-Guards

Weight: 4 Oz each

Full one-year warranty

## Pricing

D21mm Pair: \$498 +S/H

D14mm Pair: \$578 +S/H

Eyepiece Vaults: \$39 per pair

Add the lockable Denkmeier Aluminum Carrying Case\* with custom die-cut foam when purchasing one pair of D21s or D14s: \$19 at time of eyepiece order.

Buy a pair of D21s and D14s: Receive case at no charge at time of ordering eyepieces.

\*There is a limit of one case per customer please



Shown: D21s with Optional Vaults in optional Carrying Case. Note additional rear empty slots for D14s.

**Call Denkmeier Optical toll-free at 866-340-4578 to order. Treat your Denkmeier Binoviewer to pair of Denk Eyepieces today!**

# Denkmeier D21mm and D14mm Eyepieces Instructions

## Vaults

1. Unthread the black upper section of the Eyepiece Vault from the lower silver section. The eyepiece will remain threaded into the silver section.
2. Turn eyepiece so eye-lens faces down. Grasping the eyepiece, unthread the silver section of the Vault by rotating counter-clockwise. Use the same procedure to place silver portion of Vault back on again for storage but thread silver base of Vault, clockwise. **Do not over-tighten.**
3. Insert the eyepieces into the Binoviewer SCD Holders. Read SCD Holder Instructions first.
4. Fold up the eye-guard. The eye-guard can be rotated independently of the eyepiece for proper positioning. Both the rubber eye-guard and the rotating metal collars located beneath each eye-guard are removable and stretching the rubber guard and then replacing it will allow rotation with less resistance. Pinching the metal collar before re-installing the assembly will produce more resistance as the eye-guard is rotated.

## Using With SCD Holders

If using an SCD Holder equipped Denk binoviewer, follow these instructions:

1. Make sure that the eye-guard is folded down before focusing the SCD Holders.
2. After accurate focus for each eyepiece has been achieved using the SCD Holders, unfold the eyecups and rotate them into a preferred position that will shield out intruding light sources.
3. To ensure that the SCD Holder does not move causing defocus while positioning the eye-guards, it may be necessary to grip the eyepiece with the fingers on your opposite hand as the eye-guard is rotated into an ideal position for the observer. You may prefer to set the eye-guard position and SCD Holder focus using other methods. The description provided is meant as a guideline only.

## Storing In Vaults

When returning the Denk Eyepieces to their Vaults, please follow these steps:

1. Fold Eye-guards down.
2. With eyepiece eye-lens facing down, thread the silver section of the Vault into the eyepiece barrel threads. **Note: There is no need to over-tighten the eyepiece into the silver section. Threads could be damaged.**
3. Place black section over eyepiece and thread into silver base.
4. When storing your Denk Eyepiece, **make sure that the eye-guard has been folded down** before threading the silver and black sections of the Vault together.

## Eyeglass Wearers

Each Denk Eyepiece is equipped with a fold-down eye guard and the generous 20mm eye relief of the Denk 21s and 14s should allow eyeglass wearers to see the entire 65 degree field of view. While removing the eye-guards and the thin split metal rotating collar would allow eyeglass lenses to be placed slightly closer to the eyepiece lens, the protection for your eyeglass lenses provided by the rubber eye-guard rim would be eliminated. Eyeglass lenses could be scratched. Therefore, removal of the rubber eye-guard and rotating metal collar is not recommended as a means to provide easier access to the 65 degree apparent field. Denkmeier Optical, Inc. assumes no responsibility in the event that eyeglass lenses are scratched while using Denkmeier eyepieces. Following these instructions will prevent any eyeglass lens damage from occurring.

Denkmeier Eyepieces are covered by a one-year warranty from time of purchase for any mechanical or optical failure during normal use. Disassembly or tampering with Denkmeier Eyepieces may make warranty null and void.

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