







PRODUCT MANUAL

# **DIAMONDBACK<sup>®</sup> HD**

**SPOTTING SCOPES**

## SPECIFICATIONS

MAGNIFICATION x OBJECTIVE LENS DIAMETER		16-48x65	20-60x85
FIELD OF VIEW	Linear @ 1000 yds.	138' - 72'	108' - 60'
	Angular	2.6° - 1.4°	2.1° - 1.1°
CLOSE FOCUS		16.4'	24.6'
EYE RELIEF		18.3mm - 20.3mm	
LENGTH	Angled	14.3"	16.0"
	Straight	13.7"	15.8"
WEIGHT	Angled	49.8 oz.	60.9 oz.
	Straight	50.4 oz.	61.3 oz.
	Angled		
	Straight		

Images are for representation only. Product may vary slightly from what is shown.

## DIAMONDBACK® HD SPOTTING SCOPES

From spotting bullet trace to twitching tails and trophy tines in dense, distance cover. In the field and at the range, Diamondback® HD delivers workhorse reliability, great glass, and excellent magnification suited for every hunting or shooting scenario.



## UNDERSTANDING YOUR DIAMONDBACK® HD SPOTTING SCOPE & INITIAL SETUP

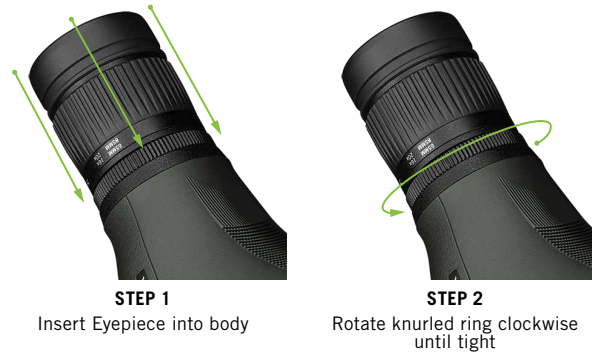
### Attach the Eyepiece

Before attaching the Eyepiece, remove any covers that would interfere with attaching the Eyepiece to the spotting scope body. Keep the exterior lens covers handy to protect exposed lenses whenever you are not viewing through the Diamondback® HD spotting scope.

1. **To attach the Eyepiece**, insert the Eyepiece into the body and rotate clockwise using the knurled ring on the Eyepiece until the Eyepiece is tight (stops rotating).
2. **To detach the Eyepiece**, hold the knurled ring and turn the Eyepiece counterclockwise.

**Note:** Only turn the Eyepiece with the knurled ring for installation or removal. Turning the Eyepiece by the magnification ring or eyepiece can damage the spotting scope's threads and internal components. The user may hold the Eyepiece in place while tightening to ensure the magnification markings are in their preferred orientation.

**Note:** If the Eyepiece is rotating while changing magnification, tighten the knurled ring some more.



### Mount the Diamondback® HD Spotting Scope

Attach the Diamondback® HD to a tripod or car window mount for stability. The Diamondback® HD has an Arca-Swiss Compatible Tripod Mount Foot and will work without a quick-release plate on any Arca-Swiss compatible tripod or car-window mount. The Diamondback® HD tripod foot will also attach to any tripod or car-window mount that uses a 1/4"-20 thread pitch. Simply screw the compatible quick-release plate into the bottom of the tripod foot.



### Adjust the Magnification

Change your spotting scope's magnification by simply turning the Magnification Adjustment Ring:

- Increase the magnification by turning the Adjustment Ring in a counterclockwise direction.
- Decrease the magnification by turning the Adjustment Ring in a clockwise direction.

**Caution:** Never look directly into the sun (or any other intense light) with your Diamondback® HD spotting scope. This can permanently damage your eyes.

### Adjust the Focus

After setting the magnification, some refocusing is usually required. To adjust the focus, rotate the Helical Focus Dial until the image is in focus.



### Adjust the Eyecup

The Adjustable Eyecup on the Diamondback® HD spotting scope twists up and down so you can observe the full field of view. The Adjustable Eyecup will help with comfortable viewing for differences in facial structure and for use with or without glasses. To adjust the Eyecup down, rotate clockwise. To adjust the Eyecup up, spin counterclockwise.

### Adjust the Viewing Angle

The tripod mounting collar allows you to rotate the spotting scope body for viewing flexibility.

- Turn the Thumbscrew counterclockwise to loosen the Mounting Collar.
- Rotate the spotting scope body to a comfortable viewing angle.
- Turn the Thumbscrew clockwise to secure the spotting scope's position.



### Extend the Sunshade

Extend the Sunshade to block out interfering stray light. The Sunshade also shields the objective lens from damage and against precipitation.



## MAINTENANCE

### Cleaning

Your Diamondback® HD spotting scope requires very little routine maintenance other than periodically cleaning the exterior lenses. The spotting scope's exterior may be cleaned by wiping with a soft cloth. When cleaning the lenses, be sure to use products that are specifically designed for use on coated optical lenses.

- Be sure to blow away any dust or grit on the lenses prior to wiping the surfaces.
- Using your breath, or a very small amount of water or pure alcohol can help remove stubborn dried water spots.

### Lubrication

All spotting scope components are permanently lubricated, so no additional lubricant should be applied.

**Note:** Other than to remove the Eyepiece, do not attempt to disassemble any spotting scope components. Disassembling of spotting scope may void warranty.

### Storage

If possible, avoid storing your spotting scope in direct sunlight or any very hot location for long periods of time.

## NOTICE

### Virtual Patent Marking Notice by Vortex Optics

This product may be protected by patents in the U.S. and elsewhere for Vortex Optics. <http://vtx.legal> website is provided to satisfy the virtual patent marking provisions of various jurisdictions including the virtual patent marking provisions of the America Invents Act and provide notice under 35 U.S.C. §287(a). Please visit <http://vtx.legal> to view list of products that may be covered by one or more U.S./Foreign patents or published patent applications.



## VIP® WARRANTY

### OUR UNCONDITIONAL PROMISE TO YOU.

We promise to repair or replace the product. Absolutely free.

- ▶ **Unlimited.**
- ▶ **Unconditional.**
- ▶ **Lifetime Warranty.**

You do not have to register, save the box, or a receipt for the Warranty to be honored.

Learn more at [VortexOptics.com](http://VortexOptics.com)

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**Note:** The VIP® Warranty does not cover loss, theft, deliberate damage, or cosmetic damage not affecting product performance.

For the most up to date manual visit [VortexOptics.com](http://VortexOptics.com)



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