



*Burris*<sup>®</sup>

FIND WHAT MATTERS



## **SIGNATURE HD<sup>®</sup> Riflescopes**

### **USER GUIDE**

This user guide includes information for the entire Signature HD riflescope line. Please review thoroughly, and pay close attention to the details pertaining to your specific riflescope model.



Congratulations on choosing the Signature HD® riflescope from Burris®. This premium riflescope will be your best asset in the field, helping you bag big game or quick varmints with precision reticles and high-quality glass. Signature HD riflescopes offer the following features:

- **Variety of Reticles.** Signature HD riflescopes are available with a wide selection of reticles including:
  - Ballistic Plex E3
  - Plex
  - Fine Plex
  - 6.5 Creedmoor
- **Five Times Zoom System.** Highly versatile five times zoom system allows for a larger field-of-view at close ranges and better target acquisition at long ranges.
- **Push-Pull Locking Turrets.** Windage and elevation turrets have locking caps that prevent accidental movement and loss of zero.
- **Zero Click Stop Adjustment Knobs.** Allows shooter to quickly and easily revert back to the original sight-in setting without counting clicks.
- **Precise Windage & Elevation Adjustment.** Accurate and repeatable reticle adjustments match the reticle's MOA measurement system; adjustment is accurate, repeatable, fast, and easy.
- **Parallax Side Focus.** Side focus allows for easy-to-reach parallax adjustment.
- **High-Performance Glass.** Provides excellent brightness and clarity with lasting durability – exactly what you expect from Burris.



WATERPROOF



SHOCKPROOF



NITROGEN-FILLED



FOGPROOF



## How to use the Signature HD Riflescope

### Eyepiece Focusing

The eyepiece can be focused so that the reticle appears sharp and black. Follow this procedure to quickly adjust the focus:

1. Point the scope at the sky or a plain wall and take a quick glance through the scope. If the reticle appears sharp and black, no further adjustment is necessary.
2. If the reticle does not appear sharp and black, take quick glances through the scope while rotating the focus ring until the reticle pattern is sharp and black.

NOTE: Do not look through the eyepiece as you turn the focus ring. Your eyes will adjust to the out-of-focus condition.

### Parallax/Focus Adjustment

Parallax is the apparent movement of the reticle in relation to the target when the eye is not directly in line behind the center of the scope. Images from different distances focus in front of or behind the scope's reticle. Parallax is more noticeable with higher magnification scopes.

The 3-15x and 5-25x models are equipped with a side focus parallax adjustment. To use the parallax/focus adjustment, rotate the knob on the left side of the adjustment turret until the target image is sharply focused.

When the scope is set parallax-free for the distance you are viewing, you should be able to move your eye side-to-side or up and down without seeing the reticle move appreciably in relation to the target.

### Windage/Elevation Adjustment

Signature HD scopes have windage and elevation knobs that deliver precise adjustment and push-pull locking turrets. To unlock the caps and make adjustments, simply pull up on the caps. Once the changes have been made, push the caps back to their original position.



## Target Knobs with Zero Click Stop

Applies to 3-15x and 5-25x models

The Target windage and elevation knobs are designed for precise adjustment and feature a Zero Click Stop. The click value for each knob is indicated on the dial.

1. Use the 1.5mm hex wrench supplied with the scope to loosen the three (3) set screws located just under the top of the cap.



2. Pull up to remove the turret cap. Under the cap is the Zero Click Stop ring with three additional set screws.



Loosen these screws with the 1.5mm hex wrench. Loosen the screws enough so that the collar turns freely. Rotate the ring clockwise until it stops. Snug the set screws. Do not over-tighten. Your Zero Click Stop has now been set.

3. Replace the turret cap, align the "0" with the index mark and snug the three set screws.

NOTE: When securing the set screws on turret caps and Zero Click Stop ring, make them snug but do not over-tighten.

## Windage/Elevation Adjustment for Low Profile Knobs

The low-profile adjustment knobs feature the same locking turrets for windage and elevation. To make elevation and windage adjustments, pull up on the turret caps. Once you have successfully zeroed your scope, you can set the zero on your dials with these simple steps:

1. Use a small screwdriver or coin to loosen the screw on top of the cap.
2. Pull up on the turret cap.



It should rotate freely, and you should not feel or hear any clicks. Rotate the dial until "0" is aligned with the white indicator line.

3. Push the cap down and retighten the screw on the top of turret cap.

NOTE: You do not have to set the zero on your dials for your scope to function properly. Doing so can give you peace of mind that your zero is set, plus you can easily confirm if it has moved at any time, but this step is optional.

### **Mounting the Scope**

We recommend using high-quality rings and bases, like the Burris Signature Rings. Quality components ensure that your scope will remain safely and securely mounted and will provide maximum accuracy. Use care when mounting your scope as damage can be caused by improper mounting.

The 5-25x50mm models require 30mm rings. The 2-10x40mm and 3-15x44mm models have a smaller tube and require 1" rings.

### **Illuminated Reticle Adjustment**

#### **Rotary Illumination**

Several of the Signature HD scopes feature illuminated reticles. Illumination makes it easier to see the reticle in low light conditions. The intensity of the illumination is controlled by a rotary illumination switch located on the left side of the adjustment turret. The switch has 6 intensity levels and an "OFF" position in between each level. The reticle is powered by a 3-volt lithium cell battery (CR2032).

To install a new battery, simply unscrew the battery cap on the rotary switch and install the new battery flat side (+) up. It is recommended that the battery be removed for long-term storage (over a month).



#### **Care & Maintenance**

Signature HD riflescopes are fully waterproof and fogproof. In the event that the lenses are subjected to dust, dirt or mud, follow these steps to clean and protect the lens surface. Failure to remove grit before final cleaning is sure to damage lens coatings.

Coarse dirt/debris must be removed from the lens surface. The most convenient way to clean a lens surface is to use a Lens Pen. Position the scope so particles will fall away from the lens, and then use

the Lens Pen or soft brush to gently whisk away the debris while blowing on the lens to dislodge the particles. For heavy dirt, like dried mud, use a spray of clean water or lens cleaning fluid to remove the dirt.

Your Burris riflescope will provide reliable performance given reasonable care and treatment. All moving assemblies are permanently lubricated. Only occasional cleaning of the outside of the scope and the exterior lenses is required. Never disassemble your scope. Disassembly by anyone other than our factory will void the warranty. If you have any other problems with your riflescope, return it to the Burris factory for repair.

## **Signature HD Riflescope Reticles**

The Signature HD riflescopes feature reticles that help you overcome two of the biggest challenges when shooting long-distance: determining holdover at distance and hold-off for wind drift. This technology is based on the popular Burris Ballistic Plex<sup>®</sup> reticle that redefined trajectory compensation. This section will explain how to use the reticles found in your Signature HD riflescope.

### **Front Focal Plane and Rear Focal Plane Reticles**

Signature HD riflescopes offer both Rear Focal Plane (RFP) and Front Focal Plane (FFP) systems. With Rear Focal Plane systems, the reticle will appear to stay the same size throughout its magnification range and the holdover in the reticle is only correct at the highest magnification.

Front Focal Plane systems allow the reticle to change size as magnification is adjusted. When magnification is increased, the reticle size grows; as magnification is decreased, the reticle size shrinks. Because the reticle is changing with magnification, the measurements of the reticle are always correct and are proportional to the target, no matter what magnification setting you may be on. This also means that the trajectory compensation is correct at any magnification.

### **Trajectory Compensation**

To better determine holdover and compensate for bullet drop, the patented Burris design incorporates hash marks on the lower vertical crosshair that are calibrated to provide dead-on aiming from 200 yards to 700 yards for many of the most common

hunting cartridges. Examples of the actual bullet path for many of the most popular cartridges are available for download on our website at [www.burrisoptics.com](http://www.burrisoptics.com).

For calculating wind drift, the Ballistic Plex E3 and 6.5 Creedmoor reticles have a series of small cascading dots placed to the left and right of the reticle. These dots represent the effect of a 10-mph crosswind for most big game hunting cartridges. For a 5-mph crosswind, simply hold into the wind half the distance to the dot. If the crosswind is 20 mph, simply hold into the wind twice the distance from the center post to the dot. If you know the distance to your target and the speed of the wind, you can quickly determine the correct aiming point to compensate for both bullet drop and drift.

With access to a ballistics program, you can easily develop your own charts for custom handloads. By shooting at known distances (i.e. 100, 200, 300, 400, 500 and 600 yds.), you can determine the bullet drop that corresponds to each ballistic line for your cartridge.

## SPECIFICATIONS

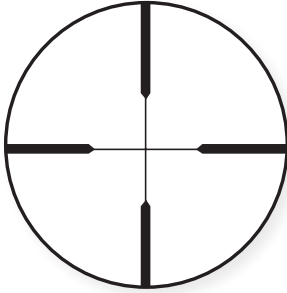
Magnification	2-10x	3-15x	5-25x
Objective End Diameter	49 mm	53 mm	59 mm
Clear Objective Diameter	40 mm	44 mm	46 mm
Ocular End Diameter	46 mm	46 mm	46 mm
Reticle	Ballistic E3	Ballistic E3** Plex	Ballistic E3** / Fine Plex / 6.5 CM**
Focal Plane	RFP	RFP	RFP/RFP/ FFP
Main Tube Size	1 in.	1 in.	30 mm
Field of View (Low to High @100 yards)	54 - 10.8 ft.	37.5 - 7.5 ft.	22.5 - 4.5 ft.
Eye Relief	3.5 - 3.8 in.	3.5 - 3.8 in.	3.3 - 3.6 in.
Exit Pupil (Low to High)	8 - 3.5 mm	8 - 3.3 mm	8 - 2.2 mm
Click Value	1/4 MOA	1/4 MOA	1/4 MOA
Elevation Adjustment, Total Capability*	120 MOA	80 MOA	65 MOA
Windage Adjustment, Total Capability*	120 MOA	80 MOA	65 MOA
Length	11.7 in.	13.2 in.	14.3 in.
Weight	17.6 oz.	20.8 oz.	24 oz.

\*Example: 50 MOA is roughly 25 MOA in any direction from center

\*\*Illuminated Reticle

RFP

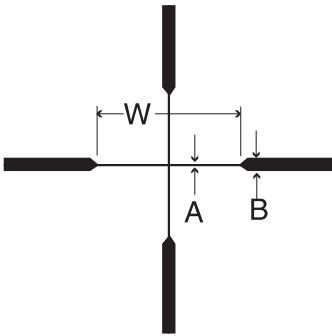
REAR FOCAL PLANE



## PLEX

- Simple reticle
- Thin crosshair with bolded edges is highly visible
- Lets you zero in on animals of nearly any size

## DETAIL



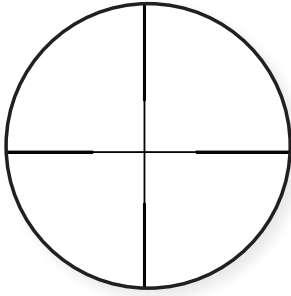
## RETICLE SUBTENSIONS (in MOA)

MAGNIFICATION	LOW MAG			HIGH MAG		
	A	B	W	A	B	W
3-15x	.95	2.5	22	.19	.50	4.40



RFP

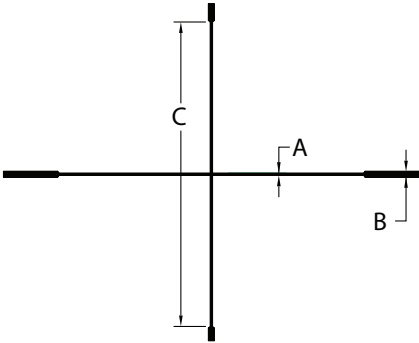
REAR FOCAL PLANE



## FINE PLEX™

- Clean design for easy target acquisition
- Thin posts and crosshairs
- Preferred reticle for precision shooting

## DETAIL

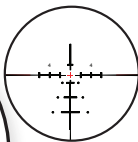
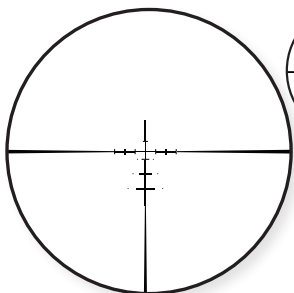


## RETICLE SUBTENSIONS (in MOA)

MAGNIFICATION	A	B	C
5-25x	.08	.20	10.00

**RFP**

REAR FOCAL PLANE

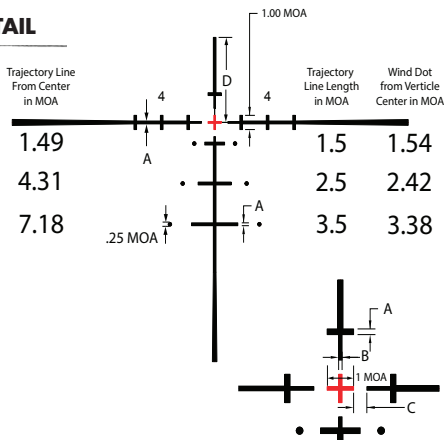


ILLUMINATED VERSION

## E3™ MOA

- Rear focal plane reticle calibrated for traditional, magnum and varmint loads
- Hash marks on lower vertical crosshair are calibrated for aiming from 200 to 400 yards
- Cascading dots help adjust for a 10-m.p.h. crosswind
- 2 MOA hash marks on horizontal crosshair make holding for wind easier

### DETAIL

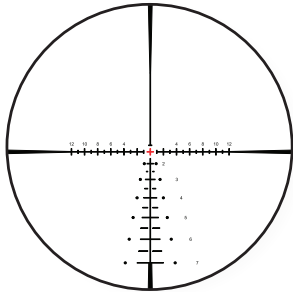


### RETICLE SUBTENSIONS (MOA)

MAGNIFICATION	A	B	C	D
2-10x	.30	.20	N/A	6
3-15x	.20	.13	.5	6
5-25x	.12	.08	.5	6

FFP

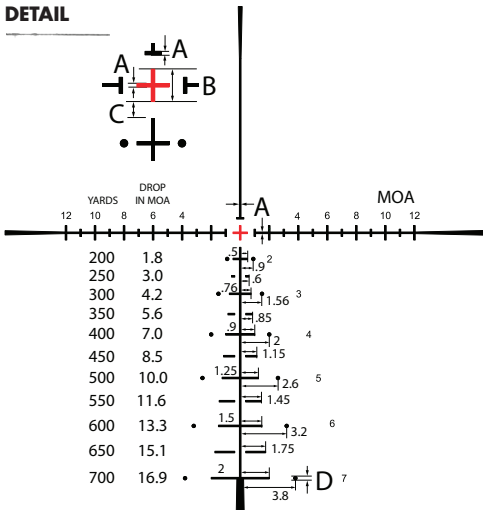
FRONT FOCAL PLANE



## 6.5 CREEDMOOR

- Calibrated for the popular 140 gr bullet
- Front Focal Plane MOA reticle
- Hash marks on lower vertical crosshair are calibrated for dead-on aiming from 200 to 700 yards. Cascading dots help you quickly and easily adjust for a 10-m.p.h. crosswind

### DETAIL



### RETICLE SUBTENSIONS (in MOA)

MAGNIFICATION	A	B	C	D
5-25x	.11	1.0	0.5	.23

## Warranty

**The Signature HD line of  
riflescopes is covered by the  
Burris Forever Warranty™**



You can be confident that the optic you purchased is built to the most exacting standards. You can count on Burris to perform every time you use it. We're so confident in the craftsmanship of our products that we back them with a no questions asked Forever Warranty. We will repair or replace your Burris optic if it is damaged or defective. The warranty is automatically transferred to future owners.

- No repair or replacement charge
- No warranty card needed
- No receipt needed
- No questions asked



Burris Company  
331 East 8th St.  
Greeley, CO 80631  
(970) 356-1670  
BurrisOptics.com  
Facebook.com/BurrisOptics  
INSTR-9504