



**Burris**<sup>®</sup>

FIND WHAT MATTERS



## **VERACITY<sup>®</sup> RIFLESCOPES**

### User Guide

*This user guide includes information for the entire Veracity rifle scope line. Please review thoroughly, and pay close attention to the details pertaining to your specific rifle scope model.*



Congratulations on choosing the Veracity® 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. Veracity riflescopes offer the following features:

- **Ballistic Compensating Reticles.** Veracity riflescopes feature reticles that provide simple methods for determining holdover for distance and hold-off for wind drift at any magnification. The Front Focal Plane design ensures trajectory compensation is accurate at any magnification. High Power settings take full advantage of the bullet drop compensating features, while Low Power settings create a highly visible duplex reticle for quick shots at close distances.
- **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.
- **Zero Click Stop Adjustment Knobs.** Allows shooter to quickly and easily revert back to the original sight-in setting without counting clicks.
- **Advanced Windage & Elevation Adjustment.** Accurate and repeatable reticle adjustments match the reticle's MOA measurement system; adjustment is accurate, repeatable, fast, and easy.
- **Side Focus.** Ergonomic 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.
- **Index-Matched, Hi-Lume Multi-Coated Lenses.** Enhanced low-light performance and glare elimination, making more shots possible and increasing your success rate.



WATERPROOF



SHOCKPROOF



NITROGEN-FILLED



FOGPROOF



## **How to use the Veracity 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.

To use the parallax/focus adjustment, rotate the knob on the left side of the adjustment turret until the numeral corresponding to the known target distance lines up with the reference mark. If the distance is unknown, rotate the adjustment knob 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 for Multi-Turn Target Knobs with Zero Click Stop**

The Multi-Turn Target windage and elevation knobs are designed for precise adjustment and feature Zero Click Stop. The click value for each knob is indicated on the dial. For shooting at extreme distances,

the elevation knob offers up to 15 MOA/rotation with multiple revolutions of adjustment.

Use the following procedure when sighting-in if you need additional downward point of impact adjustment past the Zero Click Stop:

- 1) Use the 2mm hex wrench supplied with the scope to loosen the 2 set screws on the elevation adjustment knob located in the knurled portion of the knob.



- 2) Pull up slightly on the adjustment knob to the second white hash mark on the turret. Turn the knob clockwise slightly more (2-5 more clicks) than the number of MOA needed to achieve zero. Retighten the set screws.



- 3) Once the sighting-in process is complete, loosen the 2 set screws and reset the knob to "0". With the screws loose, push down firmly on the knob until it is fully seated on the turret base, turn the knob clockwise until "0" lines up with the white reference mark and the knob stops turning, and then retighten the set screws.



**NOTE:** When retightening set screws on elevation knob, maintain pressure on the top of cap to ensure proper seating of adjustment dial.

**NOTE:** Windage adjustments are made with a multi-direction adjustment knob. Zero is set with an indexing mark to allow for left and right adjustments. Failure to zero at the index mark may result in limited windage adjustment.



## Windage/Elevation Adjustment for M.A.D. System Knobs

The Burris Modular Adjustment Dial (M.A.D.) System gives you flexibility and a level of customization for your Veracity riflescope. It allows the shooter to choose from competition-style exposed knobs or capped knobs on both windage and elevation adjustment. M.A.D. System knobs feature Zero Click Stop. The click value for each knob is indicated on the dial.

Use the following procedure when sighting-in if you need additional point of impact adjustment past the Zero Click Stop on your elevation or windage knob:

- 1) Use the 2mm hex wrench supplied with the scope to loosen the 2 set screws on the adjustment knob located in the knurled portion of the knob.



- 2) Turn the knob clockwise or counter-clockwise 180°. Retighten the set screws.

The table below will indicate which direction you need to turn the knob to achieve either more upward or downward elevation adjustment, or more windage adjustment to the left or the right. For example, by turning the Elevation Adjustment Knob clockwise, you will get more upward adjustment; turning it counter-clockwise gives you more downward adjustment.

	Clockwise	Counter-Clockwise
Additional Elevation Adjustment	<b>Upward</b>	<b>Downward</b>
Additional Elevation Adjustment	<b>Right</b>	<b>Left</b>

NOTE: If additional point of impact adjustment is needed, repeat steps 1 and 2 as necessary.

- 3) Once the sighting-in process is completed, loosen the 2 set screws and reset the knob to "0". With the screws loose, turn the knob clockwise until "0" lines up with the white reference mark and the knob stops turning, and then retighten the set screws.

## Exchanging M.A.D. System Knobs

M.A.D. System Knobs are designed to be interchangeable, so you can easily exchange capped knobs and exposed knobs. Follow these instructions to exchange your M.A.D. System elevation or windage knob.

**NOTE:** In order to keep your rifle's elevation sight-in setting when exchanging knobs, ensure the knob is positioned at the Zero Click Stop **BEFORE** loosening and removing the original knob.

- 1) Use the 2mm hex wrench supplied with the scope to loosen the 2 set screws on the adjustment knob located in the knurled portion of the knob.
- 2) Lift up on the knob to remove it from the knob post.
- 3) Place the new knob on the knob post and turn clockwise to the Zero Click Stop. Retighten set screws.



## Mounting the Scope

Veracity riflescopes require 30mm rings. We recommend using high-quality rings and bases, like the Burris Signature Rings or Xtreme Tactical Rings and Xtreme Tactical Bases. 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.

## Care & Maintenance

Veracity 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.

## Veracity Riflescope Reticles

Veracity riflescope reticles 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 Veracity riflescopes.

### Front Focal Plane (FFP)

All Veracity riflescopes utilize a Front Focal Plane system. Front Focal Plane systems (also called First Focal Plane systems) place the reticle in front of the erector assembly or zoom mechanism. This allows the reticle to change size as magnification is adjusted. In FFP systems, when magnification is



Reticle on Low Power



Reticle on High Power

increased, the reticle size grows; as magnification is lowered, 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 power setting you may be on. This also means that the trajectory compensation technology is correct in Veracity riflescopes 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 100 yards to 600 yards (200 – 700 yards for the Varmint reticle) 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, Veracity 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.

### **Practice Makes Perfect**

Veracity reticle designs are much more accurate than guessing holdover or hold-off. They can also be faster and more reassuring to most shooters than using target-type adjustments. The nature of ballistics is such that everything is theoretical and if any one variable changes, (altitude, temperature, barometric pressure, humidity, bullet design, barrel length,



chamber fit, seating depth, etc.) so does the ballistic performance. For maximum accuracy, practice at long ranges under similar conditions to those which you will experience in the field.

### **Technical Tip**

For maximum accuracy at long ranges, instead of sighting in at 100 yards using the center of the reticle, sight in at a longer range such as 400 yards using the 400-yard ballistic line. This will decrease the amount of long-range error that can occur under various environmental conditions, or when slightly under estimating point-of-impact at shorter ranges.

### **Shoot Responsibly**

Long-range shooting is extremely challenging and can be very rewarding. But along with it comes tremendous responsibility, especially when hunting. To ensure you take ethical shots at longer ranges, it is essential to know the yardage to an animal and your wind conditions. For these reasons, we strongly encourage that you practice to determine your own shooting capabilities and do not shoot beyond them in the field.

### **Ballistics Reference Sources**

Perry-Systems ExBal Ballistic Software:

[www.perry-systems.com](http://www.perry-systems.com)

Barnes Bullets: [www.barnesbullets.com](http://www.barnesbullets.com)

RCBS : [www.rcbs.com](http://www.rcbs.com)

Sierra Bullets: [www.sierrabullets.com](http://www.sierrabullets.com)

Nosler – [www.nosler.com](http://www.nosler.com)

Hornady – [www.hornady.com](http://www.hornady.com)

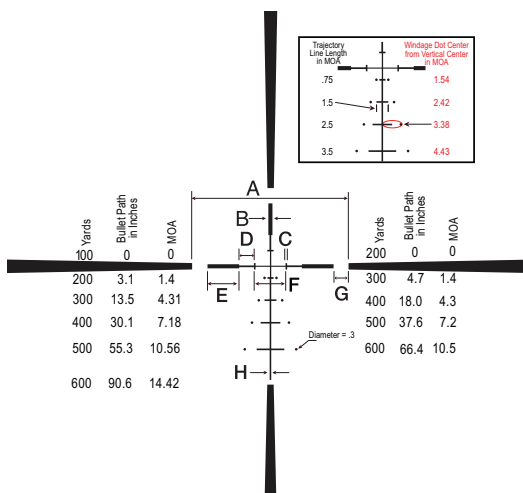
Speer – [www.speer-bullets.com](http://www.speer-bullets.com)

Lee Precision, Inc. – [www.leeprecision.com](http://www.leeprecision.com)

*Due to the extensive tooling cost of developing the reticles in this line, we are unable to accommodate requests for customized reticles for specific cartridges.*

## Ballistic Plex E1 FFP Reticle - 2-10x / 3-15x Front Focal Plane Reticle

The Ballistic Plex E1 FFP reticle is calculated in MOA (minute of angle) measurements. Trajectory compensation has been calculated out to 600 yards. Wind dots representing a 10 MPH wind adjustment are located at every hash mark below the vertical center point out to 500 yards. The bolder, tapered crosshairs make this reticle highly usable in the FFP design, ensuring that the reticle is still visible on low power. The FFP also allows the trajectory compensation technology to be used at any magnification, a nice advantage over Rear Focal Plane reticle designs that can only provide trajectory compensation on high power.

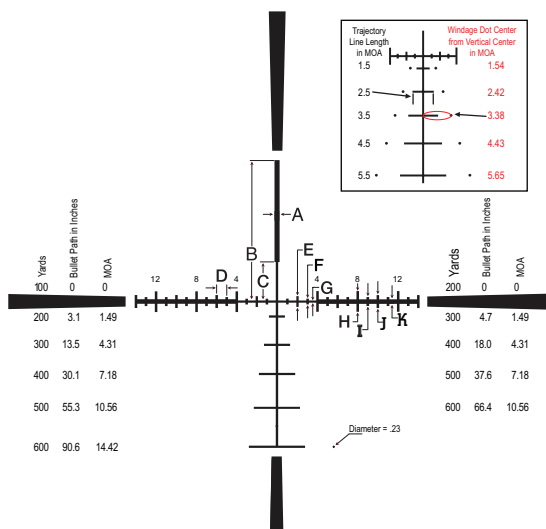


### Reticle Subtensions (in MOA)

Model	A	B	C	D	E	F	G	H
2-10x	20	.75	.3	2	4	4	2	.3
3-15x	20	.5	.2	2	4	4	2	.3

## Ballistic Plex E1 FFP Reticle - 4-20x / 5-25x Front Focal Plane Reticle

The Ballistic Plex E1 FFP reticle is calculated in MOA (minute of angle) measurements. Trajectory compensation has been calculated out to 600 yards. Wind dots representing a 10 MPH wind adjustment are located at every hash mark below the vertical center point out to 500 yards. The bolder, tapered crosshairs make this reticle highly usable in the FFP design, ensuring that the reticle is still visible on low power. The FFP also allows the trajectory compensation technology to be used at any magnification, a nice advantage over Rear Focal Plane reticle designs that can only provide trajectory compensation on high power.



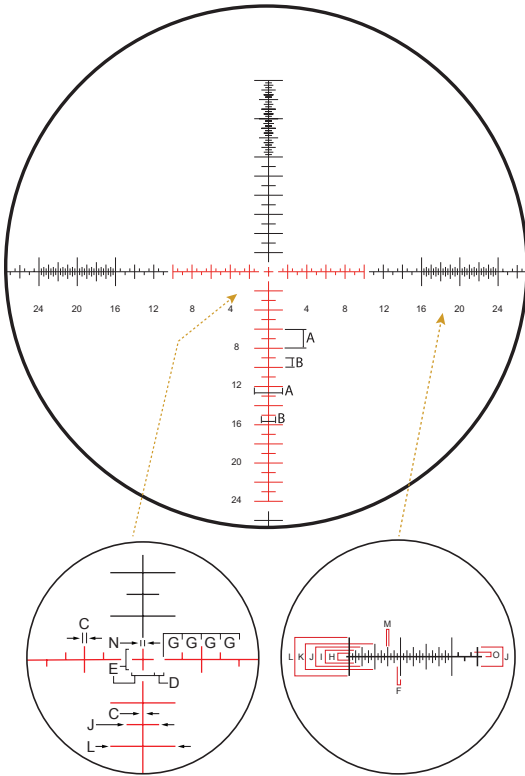
### Reticle Subtensions (in MOA)

Model	A	B	C	D	E	F	G	H	I	J	K
4-20x	.38	13	4	1	1	.5	.15	2	.8	1.2	.38
5-25x	.35	13	4	1	1	.5	.15	2	.8	1.2	.35



## SCR™ MOA Reticle - 5-25x

The SCR MOA reticle is a MOA-based, proprietary Burris design that increases precision for long-range competition without adding clutter or distraction. An extended illuminated center area lets you confidently engage targets at long distances in low light and shadows. It increases speed and precision for wind hold-off and for range estimation and impact measurement. The FFP design allows the trajectory compensation technology to be used at any magnification.



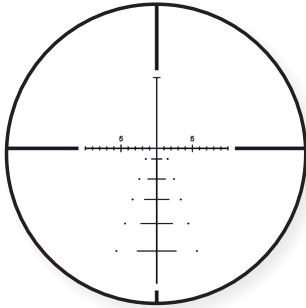
### Reticle Subtensions (in MOA)

Model	A	B	C	D	E	F	G	H	I
5-25x	2	1	.12	.5	1	.25	.5	.7	1

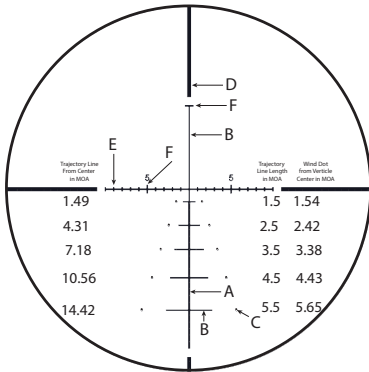
Model	J	K	L	M	N	O
5-25x	1.5	2	3	.07	.11	.35

## Ballistic E2 RFP Rear Focal Plane Reticle

The Ballistic E2 is a rear focal plane reticle calibrated for traditional, magnum and varmint loads. Hash marks on lower vertical crosshair are calibrated for dead-on aiming from 100 to 600 yards and cascading dots help you quickly and easily adjust for a 10-m.p.h. crosswind



### Detail



All Subtensions in MOA at 15X magnification. When modifying for 10X, leave all actual reticle dimensions the same except the Trajectory bar and wind spacing which must maintain it's MOA values as shown at 15X

### Reticle Subtensions (in MOA)

Model	A	B	C	D	E	F
2-10x42	.170	.120	.230	.45	.50	1.00
3-15x50	.170	.120	.230	.45	.50	1.00

## **Burriss Ballistic Services** **Burrisoptics.com/Ballistics**

Get the most out of your riflescope with Burris Ballistic Services. This comprehensive suite of four online ballistic tools helps shooters maximize the potential of any Burris riflescope. Available at no charge, this easy-to-use software and industry-leading cartridge and bullet library helps you master any Burris reticle, build a dope card, program an Eliminator LaserScope, and order custom elevation and windage knobs.

### **Burris Reticle Analysis Calculator**

This tool lets you choose your ammunition and define exact environmental shooting conditions to deliver accurate aiming solutions for your Burris reticle at any distance. The results are highly customizable and printable.

### **Dope Card Builder**

The Burris Dope Card Builder is a fully customizable solution for determining bullet performance at any distance.

### **Eliminator Programming Tool**

The Burris Eliminator LaserScope is one of the most advanced riflescopes on the market. With the touch of a button it ranges your target, calculates your exact holdover, and provides a wind value to help you estimate the correct wind hold-off – all based on the exact ammunition you are shooting. For accurate performance, you program the Eliminator by entering the Drop Number at 750 yards and the Ballistic Coefficient for the cartridge you are shooting. The Eliminator Programming Tool helps you determine the correct Drop Number and Ballistic Coefficient, and lets you fine-tune your results by adjusting for your actual shooting conditions.

### **Custom Knobs**

Build a custom elevation knob for your favorite load and exact shooting conditions, so you know your adjustments are spot on for any shooting activity.

## Warranty

This Veracity line of riflescopes is covered by the  
Burris Forever Warranty.™



Thank you for choosing Burris. 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 required
- No questions asked



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