



FULLFIELD E1[®] RIFLESCOPES

User Guide

This user guide includes information for the entire Fullfield E1 riflescope line. Please review thoroughly and pay close attention to the details pertaining to your specific riflescope model.



The Fullfield E1® riflescope line combines the proven optical design of the legendary Burris® Fullfield riflescopes with the state-of-the-art Ballistic Plex E1™ reticle, creating a modern optic with a simple, yet sophisticated, reticle for supreme accuracy. Your Fullfield E1 includes the following features:

- **Field Proven Reticle Technology.** The Ballistic Plex E1 reticle has both trajectory compensating technology and cascading dots that can be used to compensate for wind drift or running animals. This reticle design is quick, simple and accurate.
- **Low Profile Adjustment Knobs.** The finger-adjustable, low profile E1 Hunter adjustment knobs create a sleek profile. Knob adjustments always reflect a change in the point of impact, resulting in pinpoint accuracy. Dial is resettable to zero once sighted in.
- **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 Your Fullfield E1 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

– *Applies to 4.5-14x and 6.5-20x models –*

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

The low profile adjustment knobs on Fullfield E1 riflescopes feature a finger adjustment for both windage and elevation. Once you have successfully zeroed your scope, you can reset the zero on your dials with these simple steps:

1. With turret caps removed, grip or push down on knob top firmly to keep knob from turning.

2. Put pen or other small object into the small hole located on the dial, 180° from "0".



3. Keeping firm grip or pressure on the knob, use the pen to turn the dial back to zero, lining up the number zero with the white indicator dot. Only the numbered dial should move – do not allow the entire knob to move or else you will alter your windage and elevation zero settings.



NOTE: You do not have to reset 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.

Illuminated Reticle Adjustment

– **Select models only** –

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 11 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 advisable to remove the battery for long-term storage (over a month).

Mounting the Scope

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

Care & Maintenance

Fullfield E1 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 Fullfield E1 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, contact Burris Customer Service.

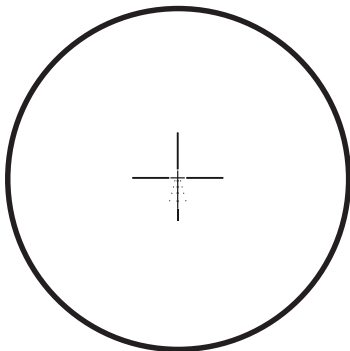
Fullfield E1 Riflescope Reticles

Ballistic Plex E1™

The Ballistic Plex E1 reticle helps 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™ reticle that redefined trajectory compensation.

Trajectory Compensation

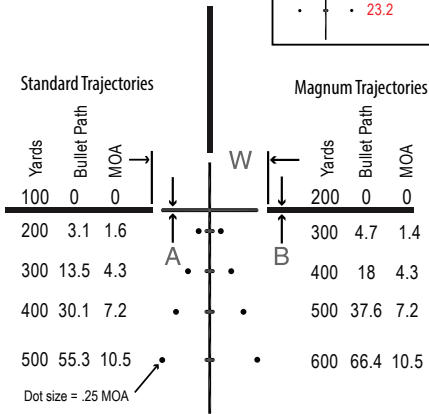
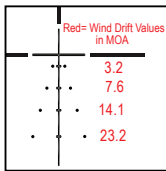
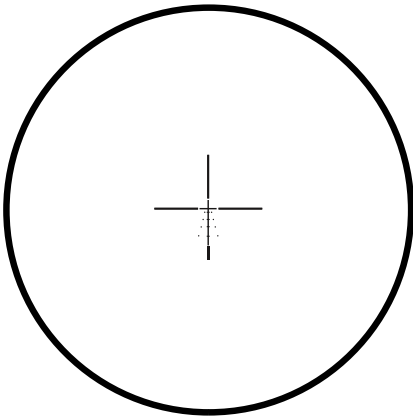
To better determine holdover and compensate for bullet drop, the patented Burris design incorporates hash marks on the lower vertical crosshair that are calibrated to provide dead-on aiming from 100 yards to 500 yards for many of the most common hunting cartridges.



Ballistic Plex E1 Reticle

For calculating wind drift, the E1 reticle has 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 wind drift.

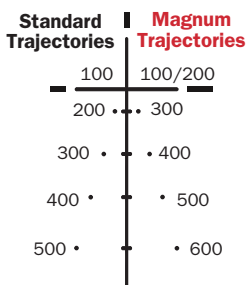
Ballistic Plex E1™ Reticle



Reticle Subtensions (in MOA)

Model	Low Mag			High Mag		
	A	B	W	A	B	W
2-7x35	1.1	3.0	26	39	1.06	9.1
3-9x40	.86	2.3	20	.31	.83	7.1
3-9x50	.82	2.2	19	.29	.79	6.8
4.5-14x42	.58	1.6	19	.19	.52	6.2

Ballistic Plex E1 Ballistic Calibration Examples

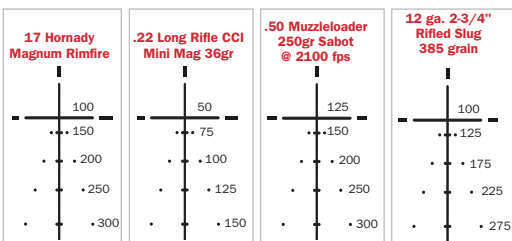


Example Cartridges that calibrate for 100 to 500 yards

.223	55grain
.243	100grain
.270	150grain
7mm-08	140grain
7mm Mags	175grain
30-06	150grain
30-06	165grain
.308 Win.	150grain
338 Mag	225grain

Example Cartridges that calibrate for 200 to 600 yards

.22-250	55grain
.243WSSM	100grain
.25-06	100grain
.270	130grain
.270 WSM	150grain
7mm Mags	140grain
7mm Shrt Mg	160grain
300 Mag	150grain
300 Ultra	180grain



Burriss provides ballistic reference labels for the Ballistic Plex E1 reticle on our website www.burrisoptics.com. You can print out these labels and attach them to your rifle for quick reference. With access to a ballistics program, you can easily develop your own charts for custom handloads.

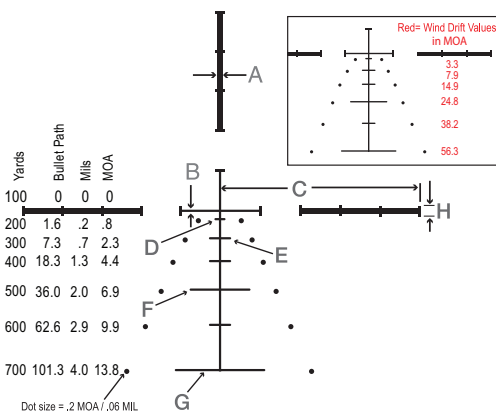
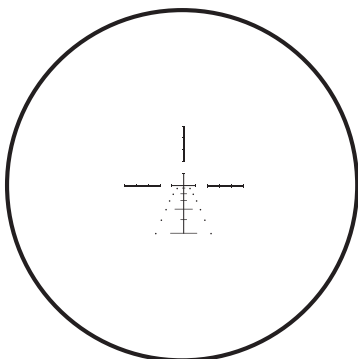
By shooting at known distances (i.e. 100, 200, 300, 400, 500 and 600 yds.), you can determine the bullet drop that corresponds to each ballistic line for your cartridge.

Ballistic Plex E1 MV Reticle

(Found only in the 6.5-20x50mm model)

***Subtensions shown for High Power Magnification**

The E1 MV reticle incorporates the same trajectory compensating technology and cascading dots for compensating for wind drift as the Fullfield E1 reticle. Designed for varmint shooting, at 20x magnification it is calibrated for the .22-250 cartridge, but also works well with other flat shooting cartridges. It offers trajectory compensation out to 700 yards and incorporates mil measurement tools to aid in calculating distance and target size.



Reticle Subtensions (in Mils)

Model	A	B	C	D	E	F	G	H
6.5-20x	.125	.03	5	.25	.5	1.5	2.5	.25

Practice Makes Perfect

The Ballistic Plex E1 reticles are much more accurate than guessing holdover and 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 of the variables change (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

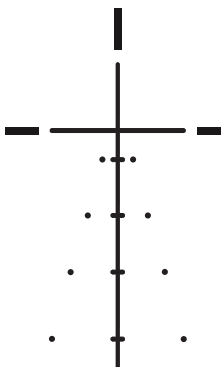
For maximum accuracy at long ranges, instead of sighting in at 100 yards using the center of the reticle, sight in at a longer range such as 400 yards using the 400-yard ballistic line. This will decrease the amount of long-range error that can occur under various environmental conditions.

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.

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.

Create Your Own Ballistic Label



Cartridge _____

Muzzle Velocity _____

BC _____

Elevation _____

Notes

Warranty

**This Fullfield E1 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 needed
- No questions asked



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