



## **PREDATOR QUEST® RIFLESCOPES**

### **User Guide**

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

Predator Quest® is a registered trademark of Predator Quest, LLC.

Realtree Max-1® is a registered trademark of Jordan Outdoor Enterprises, LTD.



Les Johnson has been on a quest since childhood, a quest that has honed his skills as an outdoorsman and given him a rich life pursuing his true passion – predator hunting. Les and Burris® have teamed up to produce a riflescope uniquely designed to take out fast-moving predators. With high performance glass and an anti-reflection device, you won't miss a single predator in the early morning light or the setting sun. World-champion coyote caller Les Johnson only puts his name on the highest quality predator hunting gear, so hit the field with your new Predator Quest® riflescope and start bringing home the hides.



Backed by the legendary Burris Forever Warranty, you will enjoy the following features of your Predator Quest riflescope:

- **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 coyotes. This reticle design is quick, simple and accurate – everything you need when chasing fast-moving predators.
- **Low Profile Adjustment Knobs.** The finger-adjustable, low profile adjustment knobs create a sleek profile. Turret indications always reflect a change in the point of impact, resulting in pinpoint accuracy.
- **Anti-Reflection Device (ARD).** ARD's reduce lens glare and provide greater concealment to prevent detection.
- **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.



## How To Use Your Predator Quest Rifle Scope

### Eyepiece Focusing

The eyepiece can be focused so that the reticle appears sharp and black. Follow the 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 model –

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 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 knob top firmly to keep knob from turning.



- 2) Put pen or other small object into the small hole located on the dial.



- 3) Keeping firm grip 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.

### **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.

### **Anti-Reflection Device (ARD)**

Predator Quest riflescopes come with an anti-reflection device. The honeycomb construction reduces lens glare, and provides greater concealment to prevent detection. The ARD easily installs onto the front objective tube. Simply insert the threaded end into the front objective tube; turn clockwise until the ARD is snug. Be careful not to over-tighten.

### **Care & Maintenance**

Predator Quest 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 Predator Quest riflescope will provide a 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.

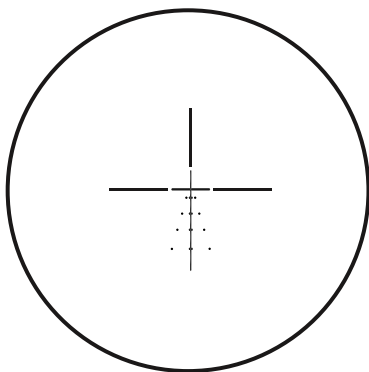
## Predator Quest Rifle Scope Reticles

### 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. 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 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 predator 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.



**.223 Hornady S-Form**  
 53 gr V-Max  
 .290BC 3365 fps  
 20" Barrel  
 Sight Height 2.7" Alt. 2000 ft.

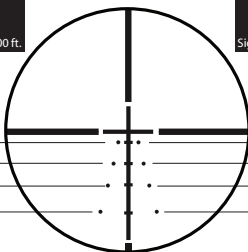
**.223 Rem Power Lokt**  
 50 gr  
 .290BC 3240 fps  
 22" Barrel  
 Sight height 1.7" Alt. 2000 ft.

Bullet Impact  
 at Noted Yardage  
 "-" = Low  
 "+" = High

Bullet Impact  
 at Noted Yardage  
 "-" = Low  
 "+" = High

0 200  
 0 300  
 +2 400  
 +3 500  
 +4 600

100 0  
 200 0  
 300 +2  
 400 +1  
 500 +2



**.223 Hornady S-Form**  
 53 gr V-Max  
 .290BC 3415 fps  
 22" Barrel  
 Sight Height 1.7" Alt. 2000 ft.

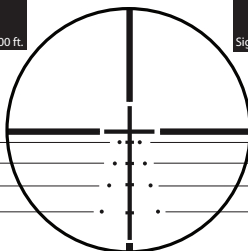
**.243 Win Fed V-SHOK**  
 85 gr Game King  
 .312BC 3300 fps  
 22" Barrel  
 Sight Height 1.7" Alt. 2000 ft.

Bullet Impact  
 at Noted Yardage  
 "-" = Low  
 "+" = High

Bullet Impact  
 at Noted Yardage  
 "-" = Low  
 "+" = High

0 200  
 0 300  
 +2 400  
 +3 500  
 +4 600

200 0  
 300 -1  
 400 0  
 500 +1  
 600 +2



**22-250 Black Hills Gold**  
 50 gr V-Max  
 .340BC 3700 fps  
 22" Barrel  
 Sight Height 1.7" Alt. 2000 ft.

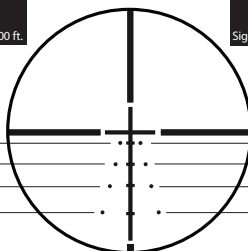
**22-250 S-Form**  
 50 gr V-Max  
 .340BC 3900 fps  
 22" Barrel  
 Sight Height 1.7" Alt. 2000 ft.

Bullet Impact  
 at Noted Yardage  
 "-" = Low  
 "+" = High

Bullet Impact  
 at Noted Yardage  
 "-" = Low  
 "+" = High

0 200  
 -2 300  
 0 400  
 +1 500  
 +2 600

200 0  
 300 0  
 400 0  
 500 +2  
 600 +3



Burriss provides ballistic reference labels for the Predator Quest reticles on our website [www.burrissoptics.com](http://www.burrissoptics.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.



### **Practice Makes Perfect**

The Ballistic Plex E1 reticle is 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, 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)

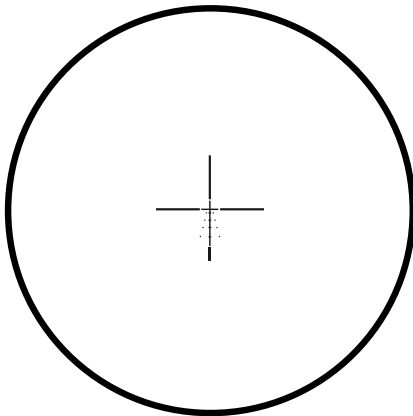
Speer – [www.speer-bullets.com](http://www.speer-bullets.com)

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™ Reticle



Red= Wind Drift Values in MOA

•••	3.2
••••	7.6
•••••	14.1
••••••	23.2

### Standard Trajectories

Yards	Bullet Path	MOA
100	0	0
200	3.1	1.6
300	13.5	4.3
400	30.1	7.2
500	55.3	10.5

Dot size = .25 MOA

### Magnum Trajectories

Yards	Bullet Path	MOA
200	0	0
300	4.7	1.4
400	18	4.3
500	37.6	7.2
600	66.4	10.5

### 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
4.5-14x42	.58	1.6	19	.19	.52	6.2

## Notes

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## Warranty

This Predator Quest riflescope 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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