PRIMARY ARMS®


# PRIMARY ARMS® 3X COMPACT SCOPE

## WITH PATENT PENDING 7.62X39 / 300BLK ACSS® RETICLE

U.S. PAT. NO.: 8,910412 B2
MPN: PAC3XAK300BO-FDE
UPC: 8 18500 01196 5

# IMPORTANT

The top Picatinny rail is NOT removable. Removing the rail could cause nitrogen to leak and void the warranty.

A prismatic scope uses a series of lenses to bend the light so that the scope can be more compact. The reticle must be viewed when mounted at the proper eye relief or it may appear canted. Each individual unit has been tested. Mount it up and go shooting. The reticle will be in proper alignment to the upper receiver rail on your rifle.

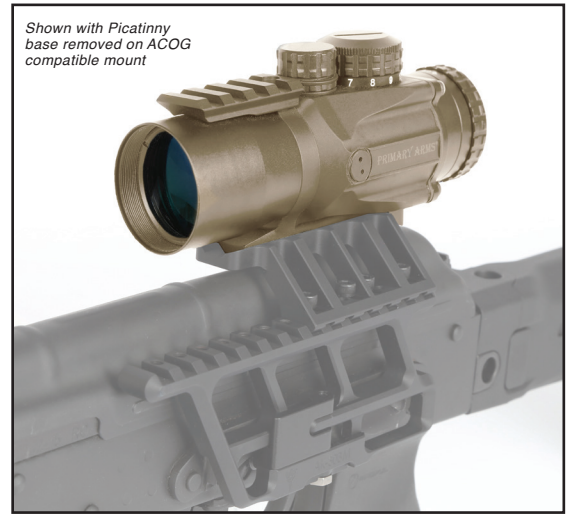
Thread locker is recommended on the base and accessory rail screws. The base screws may be removed for use with ACOG® style mounts.

Our high quality kill flash objective lens attachment is also available, part no: PAC3XKF.

# PRIMARY ARMS® 3X COMPACT SCOPE

## WITH PATENT PENDING 7.62X39 / 300BLK ACSS®

The “Advanced Combined Sighting System” reticle combines Bullet Drop Compensation, Range Estimation, Wind and Leads into one easy to use system.




*Shown with Picatinny base removed on ACOG compatible mount*

## ACHIEVING A CLEAR RETICLE PICTURE

Setting the diopter ring at the rear of the eyepiece is the critical first step to successful precision shooting. Looking at a featureless light background like a clear blue sky or blank wall, the reticle should appear sharp and crisp. If it does not, you need to adjust by turning the ring. Look at the scope with quick glances and adjust until the reticle is clear at first glance. This is a one-time adjustment. Because everyone’s eyes are different, the ideal adjustment will vary from person to person.

The reticle details may appear small when not looking at the range they are set for, which is 300-600 yards. Shooting at those ranges is best done in a well-supported position.

Your new scope has a 3-year warranty against manufacturer defects. If you have any questions, please email info@primaryarmsoptics.com or call 713-570-1910.

# GETTING TO KNOW THE ACSS® RETICLE

The ACSS® (Advanced Combined Sighting System) is a giant leap forward in reticle design that uses bullet drop compensation correlated with range estimation, wind and leads in one simple to use system. The ACSS reticle increases first hit ratio and decreases time on target dramatically. It is a two-part reticle that allows you to be very fast from 0 to 300 yards and very accurate from 400 to 600 yards.

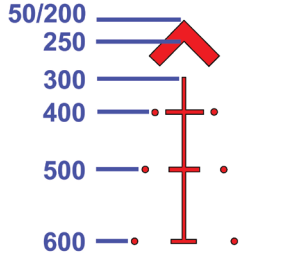
# ESTABLISHING ZERO

Using a bipod or sandbags, preferably on a bench or in the prone position, adjust your turrets to dial in your point of impact five (5) rounds to the tip of the chevron at 50 yards. Each click is ½ MOA or ½ inch at 100 yards. In order to maximize the effectiveness of the ACSS® reticle, zero distance is set at 50 yards for the PAC3XAK300BO-FDE optic, rather than the more traditional 100 yards.

# GETTING TO KNOW YOUR BULLET DROP COMPENSATION (BDC)

Gravity will affect your bullet's trajectory (or path). The BDC starts at the tip of the chevron, at 50 yards. At 100 yards the round will impact slightly above the chevron tip, then fall back down to it at 200 yards. A second tip formed by the underside of the chevron is the 250 yard aiming mark. The top of the BDC post is 300 yards, and the marks below correlate with 400, 500, and 600 yards. For targets at ranges between hash marks you can split the difference. For example, for a target at 450 yards you should aim halfway between the 400 and 500 yard hash marks. We recommend that you establish a steady, supported position in order to utilize the BDC.

**Supersonic**
**7.62x39 / 300BLK**

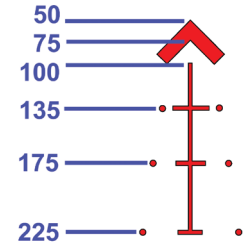





# BULLET DROP COMPENSATION WITH SUBSONIC 300BLK LOADS

When using subsonic 300BLK loads, a 50 yard zero will allow the BDC to reach 225 yards before the slow moving 220gr bullet drops completely out of the reticle.

**300BLK 220gr**
**1010 fps subsonic**



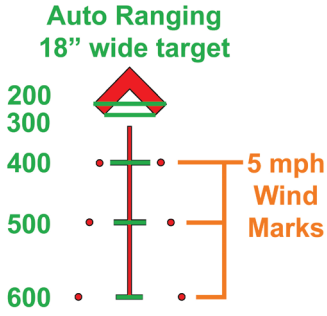

# UNDERSTANDING THE WIND AND BULLET DRIFT

Notice the dots aligned to the left and right of the BDC. They are the 5 mph wind marks. Wind will cause the bullet to drift left or right depending on wind direction. Understanding wind is important, as even a 2 mph wind at a 90 degree angle to the bullet's path can cause the bullet to drift over 10" at 600 yards. You can use the dots as a starting point in different conditions. For example, if you have approximately a 2.5 mph wind, you would hold half-way to the dot. If you have a 10 mph wind, you would double the hold of the dot, and so on.

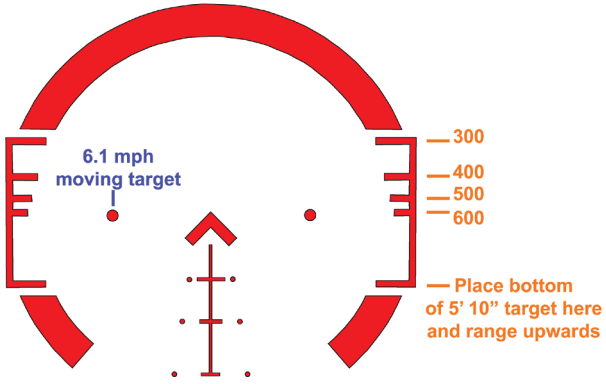
# RANGING USING THE HORSESHOE AND BDC

Knowing the proper range of your target is crucial in order to use the right hold on the BDC. Ranging can be accomplished using the range marks built into each side of the horseshoe or using the BDC itself. Ranging bars are found on each side of the horseshoe at the edges of the ACSS reticle. The horizontal bars range estimate center mass on targets 18" wide, and predators or small game with an

approximately 18” measurement from shoulder to hip. Starting vertically at the bottom line and measuring upwards will range estimate targets 5’10” tall. Horizontal ranging is also built into the BDC in the same way, correlated with bullet drop. An 18” wide target that touches the tip of the 500 yard BDC hash mark is 500 yards away. When using the BDC to auto range, simply fit the target inside the hash mark that matches it, and fire. All the math has been done.




***Leading Your Target***






# LEADING YOUR TARGET

The average target often moves at 6.1 mph. The “lead dots” on each side of the chevron are set for a target moving at a 90 degree angle to the shooter. Depending on the direction of the target’s movement, fire using the “lead dots” instead of the center dot in red. If the target is moving left to right, use the left lead dot. If the target is moving right to left, use the right lead dot. The lead dots are best used at 100 to 300 yards and are highly effective on targets of opportunity.

For more information on how to use your ACSS® reticle, please check out our YouTube videos. Type in this link exactly, it is case sensitive: http://youtu.be/nxwaiDeXP8c

# HOW TO RANGE YOUR TARGET

Knowing the proper range of your target is crucial in order to use the right hold on the BDC. The horizontal bars range estimate center mass on targets 18” wide, and predators or small game with an approximately 18” measurement from shoulder to hip. Starting vertically at the bottom line and measuring upwards will range estimate targets 5’10” tall.

# SPECIFICATIONS AND FEATURES

- Illumination: red
- Nitrogen purged
- Waterproof
- Fog resistant
- Field of view: 31.5 ft. at 100 yards
- Diopter adjustment: +3 to -3
- Eye relief: 2.7-3.0 in.
- Fully multi-coated
- Uses one CR2032 battery (included)
- Length: 5.6 in.
- Net weight: 16.8 oz.
- Coated Flat Dark Earth
- Lens covers included

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## WARRANTY

Your PAC3XAK300BO-FDE scope is covered by the Primary Arms warranty for 3 years from time of purchase. If a defect due to materials or workmanship has caused your product to malfunction, Primary Arms will either repair or replace your product. You can find more details at www.primaryarmsoptics.com.

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