BURRIS®

Installation Instructions for Signature Rings™ and Pos-Align® Offset Inserts

Signature Rings®

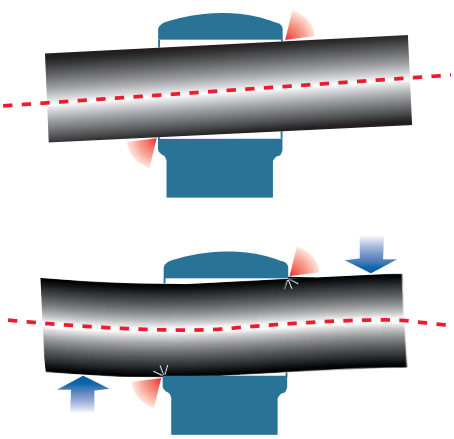
General Description

Signature Rings function like a pivoting, self-centering bearing, allowing a scope to be mounted stress-free, grip over 40% better, and eliminate value-robbing "ring marks" on your new scope. Hunters and competitive shooters can experience temperatures from below zero to over 100 degrees. As an aluminum scope and a steel firearm expands and contracts with temperature changes, with Signature Rings the scope will maintain point-of-impact integrity much better because of the stress-free mounting.

An accessory kit is available called the "Signature Pos-Align Offset Insert Kit" which allows mounting a scope in near-perfect alignment with the gun's bore and therefore allowing the optic to perform to it's fullest potential.

Scope Ring Alignment Is Critical To The Reliability of Mounting Systems

The gripping area of any ring is determined by how parallel the inner ring surfaces are to the scope tube. If the receiver, or bases, or ring bottoms are on different planes, only the leading or trailing edges of each ring will grip (and possibly dent) the scope. With Signature Rings, the entire surface area of each ring grips the scope, providing as much as two, three, or four times the gripping power. With this kind of gripping power, there is no need for three or four rings on hard-kicking magnums or handguns.

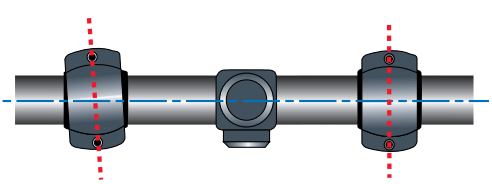


Installation

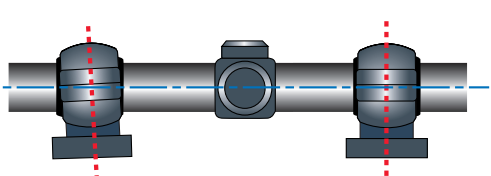
Each set of Signature Rings comes with two sets of Inserts. Each insert is marked "O"(zero) meaning it is a concentric insert.

Refer to the Rings and Bases Installation Instructions. In addition to instructions for mounting standard rings, observe these two instructions:

1. Position bottom halves of concentric (O) Inserts in each ring. Position a "centered" scope in the rings. Position the other Insert half on top and attach the ring tops. Tighten and allow inserts to self-center without binding.
2. When sighting-in, if you must adjust the windage screws, it's best if you slightly loosen the ring caps on both rings to allow the self-centering inserts to pivot as you move the windage-adjustable rear ring.



Top view



Side view

Signature™ Pos-Align® Offset Inserts

Signature Ring Pos-Align Offset Insert Kit includes:

One .005" offset insert marked -5 and +5 (corrects 5" @ 100 yards)

One .010" offset insert marked -10 and +10 (corrects 10" @ 100 yards)

One .020" offset insert marked -20 and +20 (corrects 20" @ 100 yards)

} values are approximate

Why Use Pos-Align Offset Inserts?

The less you adjust the inside of the scope, the better your optical performance will be - it's that simple. Signature Pos-Align inserts essentially allow you to sight-in by adjusting the direction the outside of the scope points and then make final minor adjustments with the scope's internal adjustments.

Chasing the Bullet

When you make adjustments to a scope, most people think you "move the point-of-impact." Actually, you are changing "point-of-aim", where the inside of the scope is pointing to match the point of impact. This is important in understanding how Signature Pos-Align Offset Inserts work. The Offset inserts allow you to "point the outside of the scope" in the same direction as the barrel -- and hence the point of impact. What you're doing is making the scope "chase the bullet."

Installation

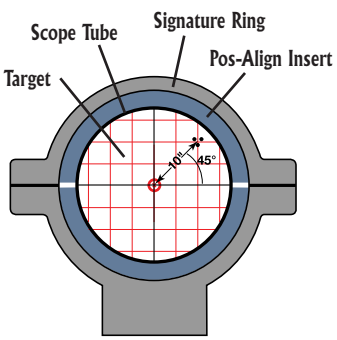
Study the illustrations below to fully understand the simple yet versatile mounting possibilities.

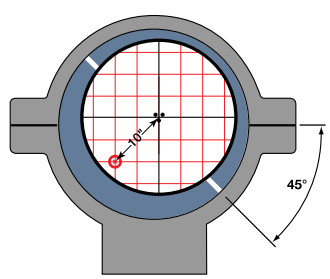
- If you're using a base that is windage-adjustable, first move the windage-adjust screws on the rear base to bring the vertical crosshair into alignment.

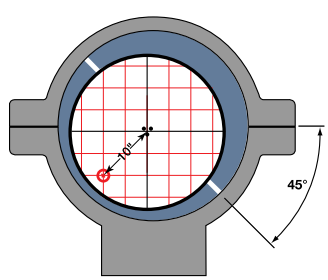
- Determine the amount of correction needed and select the proper Pos-Align Offset Insert combination (both the front ring and rear ring can utilize offset inserts) that most closely yields that amount of correction. With various combinations of offset and concentric inserts utilized in both the front and rear rings, you can "chase" your point of impact 0, 5, 10, 15, 20, 25, or 30 inches.

- Always use Inserts in sets (one "+", one "-") of the same value. Never use two "+" or two "-" halves in the same ring.

- Pos-Align Inserts can be rotated 360 degrees (at any angle) in order to make custom corrections.







First, try the "0" inserts and see where the point of impact is. In this example, point of impact is 10" high and right measured directly from the center of the target to the center of the three shot group.

Choice 1, Adjust the Front Ring

Notice that the Offset Insert is rotated 45 degrees and the "fat or +" portion of insert forces the scope to point in the same direction as the point of impact. What you are doing in this case is moving the front of the scope up and to the right in order to make it point toward the point of impact. You simply put the -10 insert directly toward the point of impact and +10 insert directly away from the point of impact. Fire another group. If your group is within 3" of your desired point of impact, use your scope's internal adjustments for final sighting.

Choice 2, Adjust the Rear Ring

In this case, you are moving the rear of the scope down and to the left in order to make the scope point up and to the right. You simply put the +10 insert directly toward the point of impact and -10 insert directly away from the point of impact.

BURRIS®

331 East 8th Street. Greeley CO 80631 Ph: (970) 356-1670 Fax: (970) 356-8702 www.burrisoptics.com

INSTR-1006