

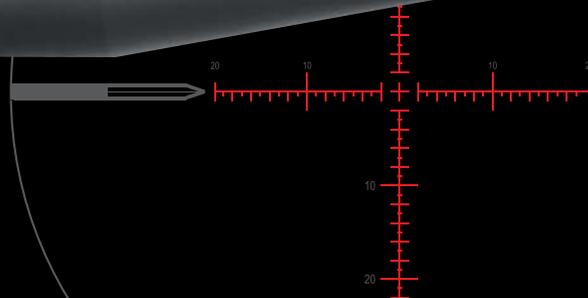
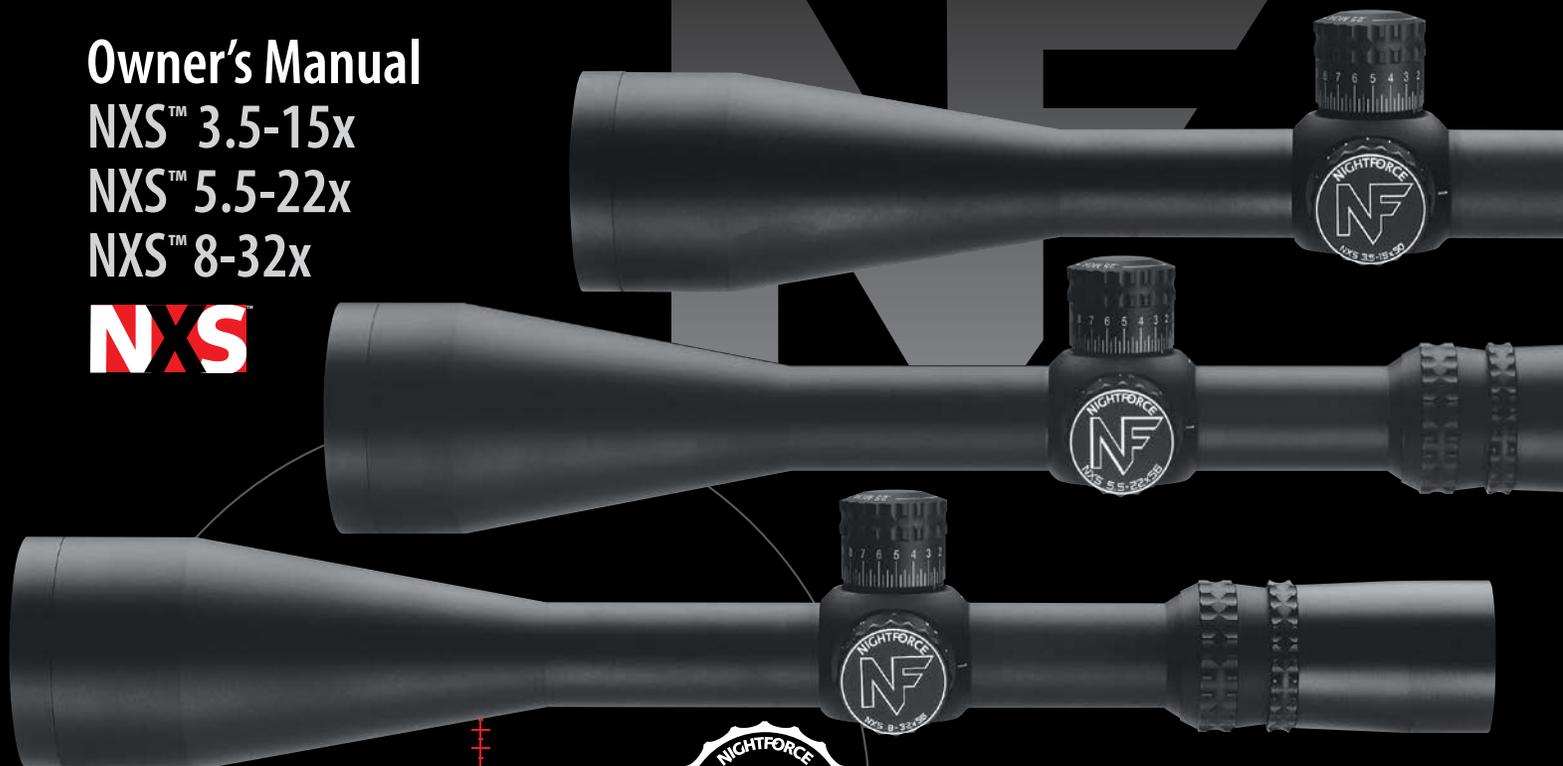
# Owner's Manual

NXS™ 3.5-15x

NXS™ 5.5-22x

NXS™ 8-32x

**NXS**



# NIGHTFORCE®

2016 V1

## Contents

Nomenclature and features .....	3
Focusing the reticle .....	4
Parallax adjustment .....	5
Elevation and windage values .....	6
Reticle illumination.....	6
Installing the riflescope .....	7
Leveling the reticle.....	10
Establishing a sight-in zero.....	10
Zeroing adjustments .....	11
ZeroStop™ elevation adjustments (optional).....	12
Caring for your riflescope.....	14
Warranty and service.....	15
Nightforce accessories .....	16
Warranty registration card .....	17
Owner's comments.....	18

Record the riflescope serial number below for future reference:

### WARNING!

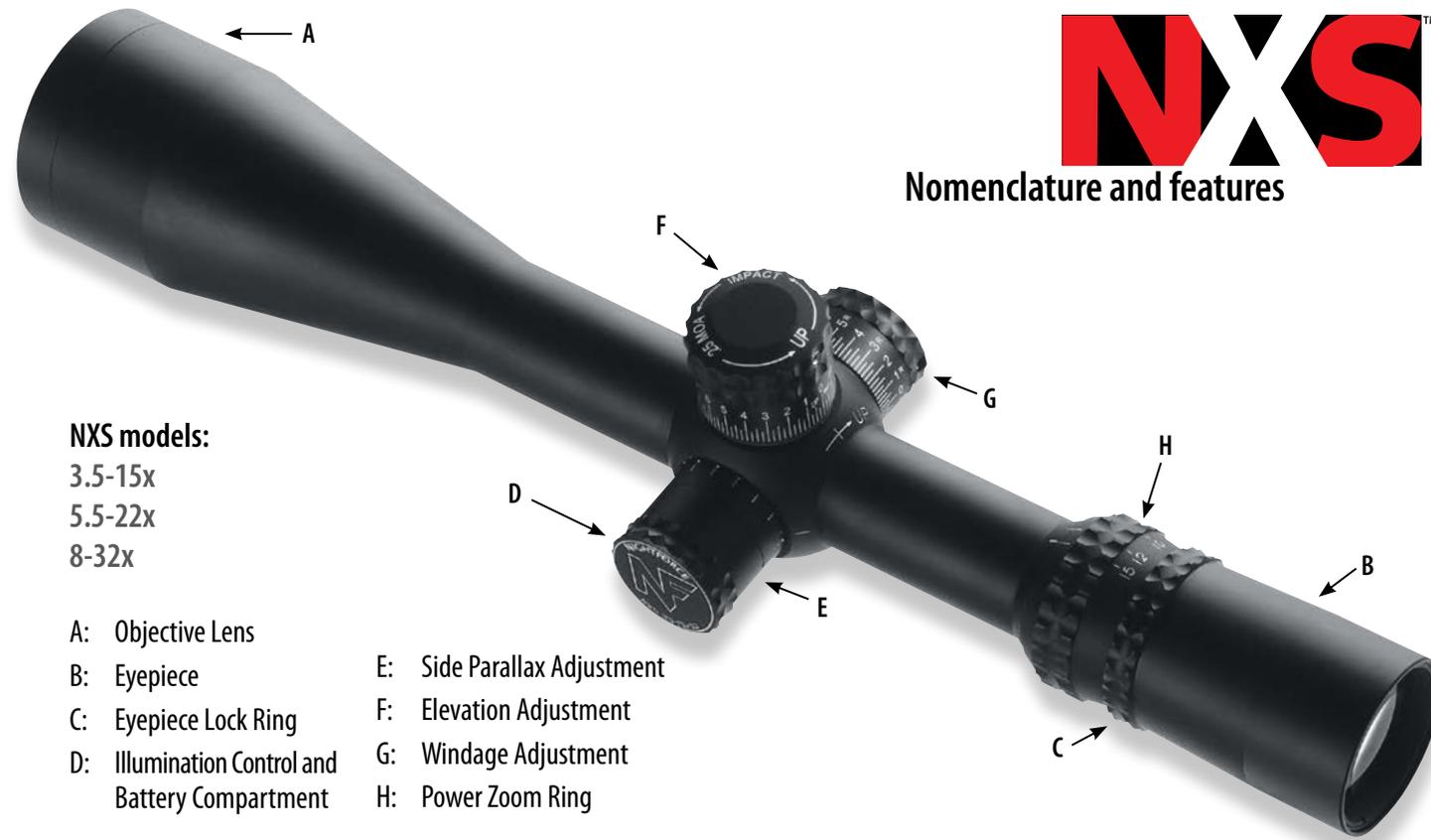


*Make sure that your rifle is not loaded before proceeding. Reconfirm that the chamber is empty if you stop the procedure then resume later.*

### WARNING!



*Nightforce Optics, Inc. does not authorize the export of these items outside of the United States of America. Riflescopes and accessories listed within, are controlled for export by the U.S. Department of State, under the International Traffic In Arms (ITAR) regulations (22 CFR, Parts 120-130), and/or the Department of Commerce under the Bureau of Industry and Security Export Administration Regulations (15 CFR, Parts 730-774). To export these products outside of the United States of America, you must comply with the regulatory agency's license and documentation requirements.*



## Nomenclature and features

### NXS models:

3.5-15x

5.5-22x

8-32x

- |   |                             |
|---|-----------------------------|
| A: Objective Lens                               | E: Side Parallax Adjustment |
| B: Eyepiece                                     | F: Elevation Adjustment     |
| C: Eyepiece Lock Ring                           | G: Windage Adjustment       |
| D: Illumination Control and Battery Compartment | H: Power Zoom Ring          |

Product specifications, features, appearances and information subject to change without notice. For the latest updates and information regarding our products, visit [www.NightforceOptics.com](http://www.NightforceOptics.com).



## WARNING!

*To avoid permanent eye damage or blindness, do not look directly at the sun or other extremely bright lights through the riflescope.*

## Focusing the Reticle

There are two user-adjustable optical settings on Nightforce NXS™ riflescopes: the reticle focus and the parallax adjustment. The reticle focus is used for setting the reticle focus to match your particular vision. It should not be used to try to focus for parallax. If you plan to wear vision correction when shooting, then set this focus while wearing your corrective lenses. The reticle focus should be set before setting the parallax adjustment. If the reticle focus is inadvertently set to the extreme ends of travel it can adversely effect parallax. Record the number of turns you have made on the eyepiece from the original factory setting so you can return to it if needed.

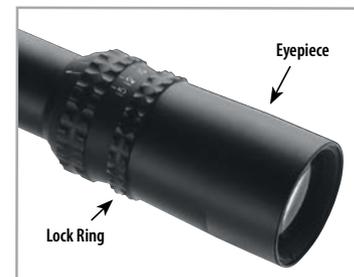
**Note:** All Nightforce riflescopes are factory set for average eye strength, so this adjustment may not be necessary.

### Reticle Focus Adjustment

Grasp the eyepiece with one hand and the locking ring with the other and

rotate the eyepiece counter-clockwise, turning it away from the lock-ring while holding the lock-ring, power zoom ring and the riflescope to keep them from turning with the eyepiece. Several turns of the eyepiece may be necessary to achieve any measurable difference. To achieve an out-of-focus starting point for your vision, you may need to turn the lock-ring several turns inward first, then turn the eyepiece inward as needed to achieve an out-of-focus position.

1. Set the power zoom ring at the highest magnification.
2. On riflescopes with parallax adjustment, set it to the infinity setting [ $\infty$ ].
3. Look through the riflescope eyepiece at a light colored background such as a white wall, overcast sky, or drape a thin white cloth over the objective to eliminate background clutter. Determine if the reticle is clear and in focus instantly when you look through the eyepiece. Be aware that staring at the reticle for more than two seconds during this process will cause your eye to compensate, resulting in a false indication of reticle focus. Look away for a few seconds then retry for best results. You are looking for a sharp, crisp and well defined reticle image.
4. If adjustment is necessary, follow the steps outlined for the type of Nightforce riflescope you have. Due to the way the human eye focuses, best results are usually obtained by turning the eyepiece inward until the reticle is slightly blurred then moving it outward until sharp focus is obtained. Refer to Figure 1.



**Figure 1: Reticle Focus**

Once the desired reticle focus is achieved, lock the eyepiece in place by turning the lock-ring into firm contact with the eyepiece while holding the eyepiece in position. Tighten the lock-ring against the eyepiece so that the

eyepiece, lock ring and power zoom ring move as a single unit.

If the reticle tends to fade in and out of focus, or you are experiencing eye strain with extended shooting sessions, that is an indicator that the reticle is not properly focused for your eye. Once you have achieved the best focus you can, using the method above, it is recommended that you fine-tune the focus one to two turns in either direction, on a target at 100 to 200 yards. Use a target of medium value such as light tan or gray rather than white for best results. A properly focused reticle will remain sharp for extended periods.

## Parallax Adjustment

Nightforce NXS™ riflescopes have parallax adjustment mechanisms. Parallax is the apparent movement of the reticle in relation to the target as the shooter moves his or her eye across the exit pupil of the riflescope. This condition is caused by the target and the reticle appearing on different focal planes within a riflescope.

For the latest updates and information regarding our products, visit [www.NightforceOptics.com](http://www.NightforceOptics.com).



**Figure 2: Parallax Adjustment**

At longer distances, and higher magnification settings, significant sighting error can result if parallax is not removed. For best results we recommend checking for and removing any parallax error at each change in target distance.

### Checking for and removing parallax

While keeping the rifle stable and

looking through the riflescope at a specific point of aim on your target, a nod of the head up and down will quickly determine if parallax is present. When parallax exists, the reticle will appear to move even though the riflescope is stationary as the head is nodded up and down.

To remove parallax, adjust the parallax adjustment mechanism until the reticle remains stationary in relation to the target regardless of head movement.

**Note:** Yardage/meter markings are included on select Nighforce riflescopes. These markings are approximate values as a guideline to begin adjusting parallax. These markings are not intended to be used for ranging purposes.

## Elevation and Windage Values

When making elevation and windage adjustments, you need to know how much the impact will move with each click. Scope adjustments are an angular system of measurement and do not move in a linear value. (e.g., 1 MOA is 1.047 at 100 yards, 2.094" at 200 yards, 3.141" at 300 yards, etc.) See Figure 3. Depending on the model, your riflescope is going to have click values as follows:

- NXS™ riflescopes with MOA adjustments are calibrated in 1/4 (0.25) MOA increments. They provide true MOA measurements, where a MOA is 1.047" at 100 yards.
- NXS™ riflescopes with Mil-Radian adjustments are calibrated in 1/10th mil clicks, and based on the TRUE mil of 3.43775 MOA. 1 Mil = 3.6".

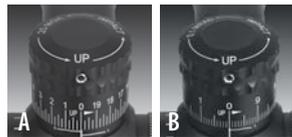


Figure 3

- A) MOA adjustments
- B) Mil-Radian adjustments

## Reticle Illumination

Full-size NXS™ riflescopes are equipped with illuminated reticles. The illumination can be used to make the reticle more visible in low light situations or against darker targets. The intensity of the illumination is internally adjustable for varied conditions, but not field adjustable. See Figure 4.

### NXS™ Analog Illumination

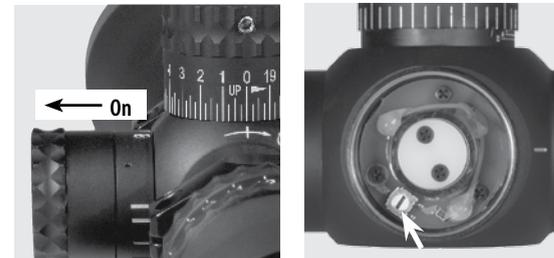
These riflescopes combine the parallax adjustment, reticle on/off switch, battery compartment, and house the internal illumination intensity adjustment dial in a single control on the left side of the riflescope.

To turn the illumination on, simply pull out on the adjustment until it clicks into the on position. To turn it off, push it back into the original position.

Adjusting the intensity of the illumination is done by turning the small dial found underneath the battery with a small flat blade screwdriver. Be very gentle when adjusting the intensity setting. It is a sensitive component that can be easily damaged if turned past the stops. A very slight adjustment will make a large change in brightness.

The reticle brightness is set at the factory for most low-light situations. If the intensity is set in a daylight location it will be excessively bright in low light situations. If you need to adjust the brightness, make the adjustment in a dark room. Turn on the illumination then remove the cover and the battery. See Figure 5. With the cover off, hold the battery in place, contacting the side of the battery pocket with battery to complete the circuit, so you don't have to reinstall the cap while making adjustments. Adjust until it just begins to produce light flare around the reticle lines. This will usually be ideal for low light field situations.

Figure 4: Illumination control



Illumination on/off

Intensity control

### Replacing the battery

Depending on the intensity and conditions, your battery can last up to 720+ hours of continuous use. Replace depleted batteries with an Energizer® CR2032 or equivalent. Install the battery with the positive (+) side up. Don't forget to turn off the illumination when not in use to prevent depletion of the battery. See Figure 5.

The battery is held underneath the adjustment cover, which is removed by turning the top part of the adjustment counterclockwise until the cover comes off.



Figure 5:  
Battery replacement

For the latest updates and information regarding our products, visit [www.NightforceOptics.com](http://www.NightforceOptics.com).



### WARNING!

*Make sure that your rifle is unloaded prior to installing any Nightforce riflescope or accessory. Recheck the chamber if you stop the procedure and resume later.*

## Installing the Riflescope

**FAILURE TO PROPERLY INSTALL THE RIFLESCOPE MAY CAUSE EQUIPMENT AND/OR PERSONAL DAMAGE WHICH CAN RESULT IN EQUIPMENT FAILURE OR DEATH RESPECTIVELY.**

**Note: Please take time to record your serial number on the inside front cover of this booklet. It can then be easily referenced for your online Warranty Registration. Once the scope has been installed, you may not be able to read the serial number, as your rings/mounts may cover it.**

### Nightforce Torque Specifications

- Base and Direct Mount™ attachment screws - 25 inch pounds
- Ring top screws - 25 inch pounds
- Ring crossbolt nut - 68 inch pounds
- Ring crossbolt nut for six-screw 34mm rings - 100 inch pounds
- Unimount™, Extended Unimount™ and MagMount™ crossbolt nut - 68 inch pounds
- Refer to recommended specifications on Nightforce accessory packaging

## Ring and Base Selection

Your riflescope and rifle are only as good as the link between them. The mounting of your riflescope is as important as the bedding of the rifle's action to the stock. To ensure the highest level of performance, the following steps in the mounting procedure must be followed as described.

We recommend Nightforce bases, rings and one-piece mounts for a solid and precise installation. Please use the following guidelines to select the proper mounting solutions for your rifle.

- A high quality ring and base combination using a 1913 Mil. Std. type rail is recommended for field use and/or high-recoil applications. Nightforce rings, bases, Unimount™, MagMount™ and Direct Mount™ are ideal for virtually all applications.
- Under no circumstances do we recommend the use of turn-in style rotary/dovetail-type ring and base designs, especially those equipped with windage adjustment.

## Mount Installation

**Note: Do NOT lap the Nightforce Unimount™, Extended Unimount™, Direct Mount™, MagMount™ or Ultralite™ rings. Lapping is not necessary with these Nightforce accessories. Lapping these products will void the Nightforce accessory warranty and may lead to slipping and/or crushing of the Nightforce riflescope main tube. Other manufacturer's ring/base combinations may or may not require lapping.**

WARNING!

*With hard-recoiling rifles, serious injury or even death can result from eyepiece impact with the shooter during the recoil process when discharging the firearm. Be certain that your installation provides sufficient eye relief for the recoil generated by your rifle before shooting the firearm. NOTE: Give special attention to this warning when shooting uphill and/or from a prone position. These shooting conditions can dramatically reduce eye relief. PLEASE maintain maximum eye relief when shooting heavy recoiling and/or magnum firearms.*

## Attaching the Base to the Action

Once you have determined that the base-to-action mating is acceptable, install the base to the action, torquing the mounting screws to the manufacturer's specifications.

## Attaching Rings to Base

Clean/degrease the inside of the rings and then clean the outside of the scope tube before installing in the rings.

Install the rings on the base per the manufacturer's specifications using the proper torque on the locking mechanism. Avoid positioning the rings where

they will make contact with the adjustment assembly, the objective bell section, or the power zoom ring on the riflescope body. Apply forward pressure to the ring while tightening it in place to keep the cross bolt on the ring in firm contact with the forward surface of the cross slot in the base.

With Nightforce rings and one-piece bases you should not lap the rings. With other brands lapping may be required. If the scope lays into the rings stress-free, there is no need to lap the rings. If required, we recommend lapping be done by a qualified technician or gunsmith. Do not overlap the rings. Damage to the scope from improper lapping/installation is not covered by the warranty.

## Mounting the Riflescope

1. For initial fitting of the riflescope to the rifle, set the Nightforce riflescope to the highest magnification. Place the riflescope in the lower portion of the rings as far forward as possible. Install both ring tops. Tighten ring top screws with just enough tension to hold the riflescope where positioned, while still allowing smooth movement fore and aft and rotationally.
2. Hold the rifle in your normal shooting position with the riflescope positioned fully forward in the rings, preferably while adjusted to maximum magnification. Place your head as far forward on the stock as you might position it in field use. Slowly move the riflescope back just to the point where the full field of view is obtained. It is recommended to mount the riflescope at this position with as much eye relief as possible (3.5"–4") or slightly forward to ensure maximum eye relief. See Figure 6.

**Note: Please see warning on page 8 regarding sufficient eye relief. Eye relief will change with the thickness of the clothing you wear and may need to be readjusted.**

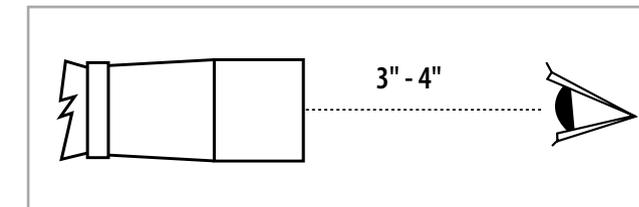


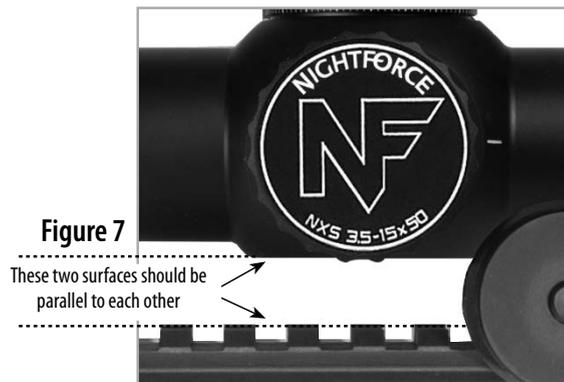
Figure 6: Eye relief

## Leveling the Reticle

For precision shooting, the reticle and the rifle need to be squared, or plumb, to each other. Any out-of-square condition can cause sighting errors that will be magnified even more at longer distances.

The reticle in all Nightforce scopes is confirmed plumb with the flat surface on the bottom of the adjustment saddle. See Figure 7. You can use pin gauges, a sliding sine bar or flat shims to align the flat surface with the top of the scope rail. To level the reticle using a plumb line, follow the three steps that follow.

1. Level the rifle on a steady rest such as sandbags or a stable shooting rest. This can be accomplished with a bubble level attached to the riflescope base, or on a flat section of the action.
2. Use a plumb line or some other known plumb vertical line at a distance from the rifle where you can see it clearly through the riflescope. A distance of 100 yards is recommended, but good results can often be obtained as close as 50 yards.
3. Center the reticle on the plumb line and rotate the riflescope in the rings until the vertical line of the reticle is parallel with the plumb line. Recheck the rifle level and adjust the reticle position as needed. When both the rifle and the reticle are plumb, tighten all ring top screws evenly until the riflescope is secure in the rings. Recheck the rifle and reticle one more time for plumb, adjust as needed, then torque the screws to the recommended torque settings. Your Nightforce riflescope is now properly mounted.



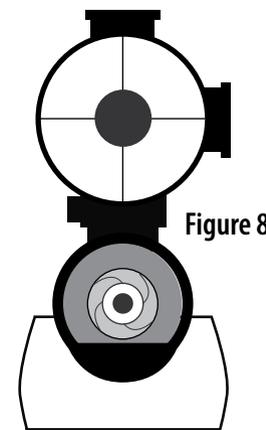
## Establishing a Sight-in Zero

A quick way to get your first shot on target with a new installation is to first bore sight the riflescope. A simple yet reliable method is by looking through the bore at a round, high contrast target, approximately 5"– 6" in diameter, that can be seen clearly with the naked eye at either 25, 50 or 100 yards/meters, yet is small enough to "float" in the center of the rifle bore when viewed through the opened action. This can save you time and ammunition.

1. Ensure that the rifle is unloaded and the chamber is empty. Remove the bolt, place the rifle on a steady rest and adjust the riflescope to be parallax-free for the distance to the target. See the Parallax Adjustment section on page 5.
2. Looking through the bore from the action end, center the round target downrange so that it is floating in the center of the bore, then adjust

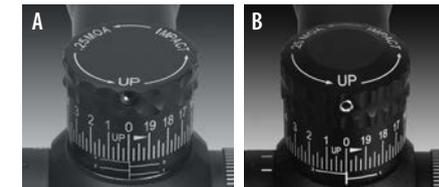
the elevation and windage adjustments until the reticle is centered on the target while the target is still centered in the bore. See figure 8.

3. If you feel confident in the bore sighting, proceed to live firing at 25, 50 or 100 yards/meters. To aid in the sight-in process, be sure your sight-in target is large in size, and offers a contrasting color (i.e., white). After confirming point of impact, proceed to step four. Note: if you have sighted in at 25 yards/meters, you will need to move the adjustments four times more than you would with a 100 yard/meter sight-in. If you sighted in at 50 yards/meters, you will need to move the adjustments two times more than you would with a 100 yard/meter sight-in. If the first shot isn't on target, recheck your bore sighting and/or move to a 25 yard/meter sight-in distance.
4. Without changing the adjustments, move the rifle to center the reticle on the target. Carefully turn the windage and elevation adjustments without moving the rifle, until the reticle is aligned on the center of the bullet hole from that first shot on the target.
5. Fire at least a three-shot group at the desired close-range zero distance, then fine-tune your zero as needed.



## Zeroing Adjustments

**NOTE:** The procedures are different for riflescopes equipped with non-ZeroStop™ Hi-Speed™ Adjustments (A) and optional ZeroStop™ Hi-Speed™ Adjustments (B). You must first determine which adjustments you have, and follow the instructions accordingly. Non-ZeroStop™ adjustments have a flat top and utilize one set screw to secure the cap. ZeroStop™ adjustments are crowned and have two opposing set screws that secure the cap. See Figure 9.



Non-ZeroStop™



Non-ZeroStop Adjustments (A)

The elevation and windage adjustments can be set to the zero position on the number dial once you have zeroed the riflescope. To do this, unscrew the dust cap, then loosen the set screws on the elevation and windage adjustments using the supplied Allen wrench, allowing the dial to turn freely without changing the actual setting. Align the zero point on the number scale engraved in the adjustment with the center line engraved on the rotation scale underneath the adjustment. See Figure 10.

Keep downward pressure on the knob while tightening the set screw with the Allen wrench, holding the wrench only by the short end when tightening. Do not overtighten to prevent damaging the components inside (approx. 4 inch pounds). Note that you cannot zero both the dial and the horizontal rotation scale so they both read “zero” because the horizontal rotational scale is meant to indicate the number of revolutions up from the bottom. Remember to record the rotations so you know what rotation your zero is on.

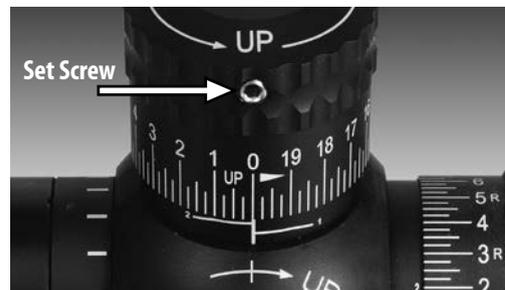


Figure 10

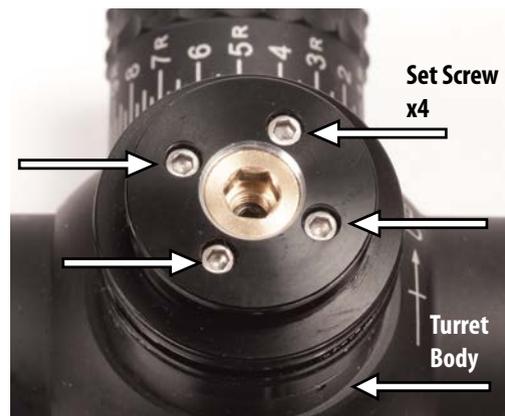


Figure 11

## ZeroStop<sup>™</sup> Elevation Adjustments *(If so equipped)*

Please visit [www.NightforceOptics.com](http://www.NightforceOptics.com) for a step-by-step video tutorial on this process and advanced setting methods that can maximize the performance of your ZeroStop<sup>™</sup>-equipped Nightforce rifle scope.

The ZeroStop<sup>™</sup> elevation adjustment allows for the full use of the elevation travel above your established zero for longer target engagement distances, while still allowing for a definitive position to return to your zero, regardless of the conditions. Note: The O-rings inside the turret assembly and under the turret set screw must remain in place and must be lubricated in order to maintain the waterproof integrity of the rifle scope.

Take caution to ensure that this area remains free of dirt and debris.



Figure 12



Figure 13

After you have determined the ammunition that performs best for your intended use and established the zero/sight-in, please follow these instructions:

1. Remove elevation turret cap by loosening the two set screws 1 to 2 turns but do not remove the screw entirely. The dial should rotate freely and no adjustment “clicks” should be felt. See Figure 10.
2. Lift the cap upward with a slight twisting motion to remove it from the body. You should feel slight resistance but not feel any “clicks”. Set the cap aside on a clean surface.
3. You have now exposed the ZeroStop<sup>™</sup> clutch assembly. Take care to maintain the cleanliness of the inside of the cap and the clutch area. Do not remove any of the lubricating grease. See Figure 11.
4. Loosen each of the four Allen head screws on the ZeroStop<sup>™</sup> clutch assembly 1 to 2 turns, until they are flush with the top of the clutch

assembly. DO NOT remove the screws from the clutch assembly.

5. To set the ZeroStop<sup>™</sup> clutch assembly, rotate the upper clutch face downward/clockwise until it is firmly against the lower clutch face. Note: You should not feel any “clicks” or resistance while making this adjustment. See Figure 12.

6. While holding the clutch mechanism in position, tighten the four Allen head set screws on the clutch assembly evenly in an “X” pattern. Do not over-tighten the screws as this can damage the clutch assembly. Tighten one screw until you feel slight resistance, then move to the next screw in the “X” pattern and tighten the screws to 4 inch-pounds. If no calibrated torque driver is available, hold the short end of the Allen wrench to tighten the screws and only use your thumb and finger to turn the wrench. This will provide sufficient torque. See Figure 13.

7. To reinstall the adjustment cap, center it over the adjustment body, and press down lightly while turning the adjustment cap clockwise until it moves into position. Keep downward pressure on the adjustment cap as it may tend to move up due to the compressed air resistance created by the O-ring seal. Align the “0” (zero) fixed index mark on the engraved scale of the adjustment cap with the center line on the scope body (Figure 10) and tighten both set screws to 4 inch-pounds.

**NOTE: If no calibrated torque driver is available for 4 inch-pounds, hold the short end of the Allen wrench between your thumb and finger to turn the wrench and tighten 1/4 turn past initial resistance**

## Caring for Your Riflescope

With proper care your Nightforce riflescope will give you many years of dependable service. Be sure to use your lens covers whenever you are not using your riflescope.

### Cleaning the Riflescope Exterior

Clean the riflescope body with a clean cloth lightly moistened with clean water or alcohol. Do not use strong solvents. While cleaning your rifle, be sure to protect your riflescope's lenses by installing the covers that came with the riflescope (or equivalent covers). Ammonia-based bore solvents can destroy the coating on the glass. Avoid spilling gun cleaning solvents anywhere on the riflescope.

In the event of submersion in mud, sand, dirty or salt water, flush the outside of the riflescope with clean water to remove encrusted material and salt. If your riflescope came with screw- on adjustment covers, install them before flushing with water. Wipe the outside metal surfaces dry with a soft cloth then proceed to the step below.

### Cleaning Lenses

We recommend using a Nightforce cleaning kit A130 to care for the lenses on your riflescope. The kit contains an ultrasoft brush, microfiber cloth and cleaning solution.

With the lens facing down to allow the debris to fall away from the surface, remove loose dirt and dust with compressed air and/or a lens brush. Do NOT

use high-pressure compressed air from cans (such as found in office supply stores). They can, and have, been known to destroy lens coatings. If there is grit stuck to the lens that won't come off with the compressed air or a brush, flushing the surface with alcohol or distilled water will prevent that grit from being rubbed into the glass by the cleaning swabs.

Using a soft, clean, lint-free cotton swab or lens cleaning cloth, and lens cleaning fluid applied to the swab, clean the lens starting in the center, working to the outside in a circular motion. Make only one pass to the edge where the glass meets the metal. Once you reach the edge of the lens, do not re-use that swab as it will often contain abrasive grit that will scratch the surface. Start over in the center with a new swab and repeat the process until the glass is clean. Use a very small amount of cleaning solution for the last pass to prevent streaks.

### Long Term Storage

If the riflescope will not be used for an extended period, remove the battery and store it separately. Keep the riflescope in a cool, dry, dust-free location.

**For a list of frequently asked questions, video instruction, information on service and on Nightforce accessories, visit [www.NightforceOptics.com](http://www.NightforceOptics.com).**

### Online warranty registration:

**Visit [www.NightforceOptics.com/WarrantyRegistration](http://www.NightforceOptics.com/WarrantyRegistration) to activate your warranty, register for Nightforce gear and to receive updates and future product support.**



We are proud to back up Nightforce ATACR™, B.E.A.S.T.™, Benchrest, Competition™, NXS™ and SHV™ riflescopes with a transferable Limited Lifetime Warranty which covers mechanical defects in materials and workmanship in the optical and mechanical components of the riflescope. In the event of a defect in materials or workmanship that is covered by this warranty, we will either repair the riflescope or replace it at no charge, with a comparable product at our discretion.

Exclusions to this warranty include intentional or accidental damage, abuse, misuse, unauthorized modifications or repairs, and improper mounting. This warranty does not cover any consequential or incidental damages resulting from the inability to use the riflescope. Any serial number obliteration or alteration on the product will void the warranty. SHV™ models maintain waterproof integrity with their protective caps installed.

To ensure warranty coverage, please register online or fill out completely and mail in the provided warranty card found in the back of the owner's manual, along with a copy of the sales receipt. The warranty begins on the date the product was purchased by the original owner. The optical and mechanical components are covered without time limitations. The riflescope's electronic components are covered for a period of three years.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may

For the latest updates and information regarding our products, visit [www.NightforceOptics.com](http://www.NightforceOptics.com).

not apply to you. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

**Before sending a riflescope in for service, please call Nightforce Optics, Inc. at the number below, to determine if the problem can be resolved without sending us the product. All returns must be accompanied by a Return Merchandise Authorization (RMA) number. Failure to do so can result in lost merchandise and/or severely delayed service time.**

- Remove any mounting rings or accessories other than dust covers and the original sunshade.
- Record and keep on hand the serial number.
- Include with the riflescope a detailed description of the defect(s), the RMA number, your name, phone number and the address you wish the riflescope returned to.
- Place the boxed or protectively wrapped riflescope in a well-padded outer box insured for replacement value and send it shipping prepaid, to the appropriate address below. **Write the RMA number on the outside of the package.**

#### U.S.A. & Canada:

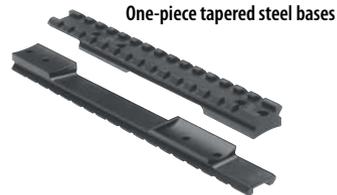
Nightforce Optics, Inc.  
Attention: Service Dept.  
336 Hazen Lane  
Orofino, Idaho 83544  
tel 208.476.9814  
fax 208.476.9817  
[www.NightforceOptics.com](http://www.NightforceOptics.com)

#### International:

Nightforce Optics  
Attention: Service Dept.  
11 Manton Street  
Hindmarsh, SA 5007 Australia  
tel +61 (0)8 8440 0888  
fax +61 (0)8 8346 0504  
[www.NightforceOptics.com](http://www.NightforceOptics.com)

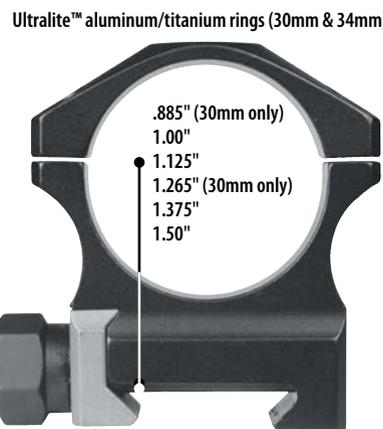
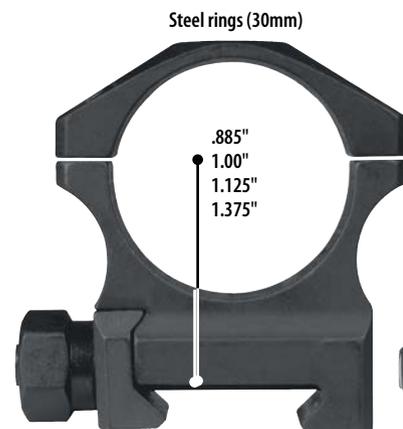
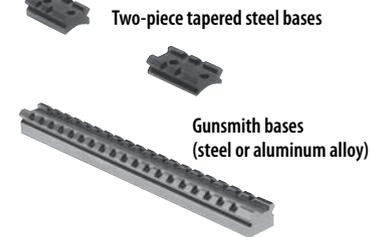
**Be sure to register your warranty at [www.NightforceOptics.com/WarrantyRegistration](http://www.NightforceOptics.com/WarrantyRegistration)**

## Nightforce accessories



About the only way to improve on a Nightforce riflescope is with genuine Nightforce accessories. Our X-Treme Duty™ and Standard Duty mounting solutions are precisely machined and designed to give you the most effective, reliable investment in precision shooting possible.

Visit [www.NightforceOptics.com](http://www.NightforceOptics.com) for complete information.



## Nightforce Warranty Registration Card

Activate your warranty at [www.NightforceOptics.com/WarrantyRegistration](http://www.NightforceOptics.com/WarrantyRegistration) and be eligible for product support, updates and additional Nightforce gear. If you do not have Internet access, please tear out, fill in and return this product registration card within 30 days of purchase. Return to the address below along with a copy of your purchase receipt. We retain this card for warranty eligibility.

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone No.: \_\_\_\_\_ Email: \_\_\_\_\_

Model: \_\_\_\_\_ Serial No.: \_\_\_\_\_

Date of Purchase: \_\_\_\_\_ Purchased From: \_\_\_\_\_

Please take a moment to provide your comments on the following page.

To locate your serial number: The serial number for all new Nightforce scopes can be found on the bottom of the elevation/windage adjustment/parallax adjustment saddle. On some earlier models, it can be found on top of the tube body in front of the elevation adjustment, or on the bottom of the tube body in front of the power change ring. Please contact Customer Service if you need help in locating the serial number on older riflescopes.

Attach a copy of your receipt and send to: **Nightforce Optics, Inc.**  
336 Hazen Lane  
Orofino, Idaho 83544

Register online at  
[www.NightforceOptics.com/WarrantyRegistration](http://www.NightforceOptics.com/WarrantyRegistration)

For the latest updates and information regarding our products, visit [www.NightforceOptics.com](http://www.NightforceOptics.com).

Please detach here

## Nightforce Owner's Comments

Your feedback and suggestions will help us maintain the high level of quality and customer service Nightforce owners have come to expect. We encourage your input.

Why did you choose Nightforce? \_\_\_\_\_

What changes or modifications would you recommend be made to improve this product? \_\_\_\_\_

What new products would you like to see offered by us? \_\_\_\_\_

What hunting/shooting magazines do you normally read? \_\_\_\_\_

What hunting/shooting television programs do you like to watch? \_\_\_\_\_

Do you participate in Internet forums or blogs? Which ones? \_\_\_\_\_

How did you hear about Nightforce products? \_\_\_\_\_

Are you a member of a local rifle shooting club or range?  Yes  No Do you participate in any of the following competitive shooting events?

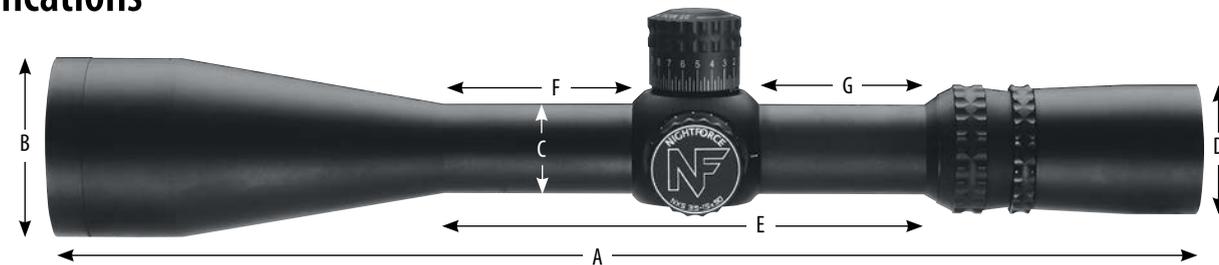
If so, please check the appropriate box:  Long-range benchrest  Short-range benchrest  F-Class  Precision tactical  3-Gun  Tactical

Other (please explain) \_\_\_\_\_

Do you travel to participate in competitive shooting events?  Yes  No If so, how far do you typically travel? \_\_\_Miles \_\_\_Hours

Please detach here

## Specifications



	<b>3.5-15x50</b>	<b>5.5-22x50</b>	<b>5.5-22x56</b>	<b>8-32x56</b>
<b>A. Overall length (inches/mm)</b>	14.7/373	15.1/384	15.2/386	15.9/404
<b>B. Objective outer diameter</b>	2.32/59	2.32/59	2.56/65	2.56/65
<b>C. Tube diameter</b>	1.18/30	1.18/30	1.18/30	1.18/30
<b>D. Eyepiece outer diameter</b>	1.69/43	1.69/43	1.69/43	1.69/43
<b>E. Mounting length</b>	6.1/155	6.6/168	6.6/168	6.7/170
<b>F. Front mounting length</b>	2.39/61	2.83/72	2.86/73	2.95/75
<b>G. Rear mounting length</b>	2.09/53	2.09/53	2.09/53	2.09/53

<b>Exit pupil diameter</b>	3.5x: 14.3mm 15x: 3.6mm	5.5x: 9.1mm 22x: 2.3mm	5.5x: 10.2mm 22x: 2.5mm	8x: 7.0mm 32x: 1.8mm
<b>Field of view @100 yards/meters</b>	3.5x: 27.6 ft/8.4 m 15x: 7.3 ft/3.3 m	5.5x: 17.5 ft/5.3 m 22x: 4.7 ft/1.4 m	5.5x: 17.5 ft/5.3 m 22x: 4.7 ft/1.4 m	8x: 12.1 ft/3.7 m 32x: 3.1 ft/1 m
<b>Eye relief</b>	99mm/3.9"	95mm/3.7"	99mm/3.9"	98mm/3.8"
<b>Parallax adjustment</b>	50 yd-∞	50 yd-∞	50 yd-∞	50 yd-∞
<b>Weight (ounces/grams)</b>	30/850	31/879	32/907	34/964
<b>Internal adjustment range</b>	e: 110 MOA/30 Mil w: 80 MOA/21.8 Mil	e: 100 MOA/27.3 Mil w: 60 MOA 16.4 Mil	e: 100 MOA/27.3 Mil w: 60 MOA 16.4 Mil	e: 65 MOA/17.7 Mil w: 45 MOA 12.3 Mil
<b>Click value</b>	.250 MOA/.1 Mil	.250 MOA/.1 Mil	.250 MOA/.1 Mil	.250 MOA/.1 Mil

Get the latest news, tech tips and good stories via our newsletter at  
[www.NightforceOptics.com/newsletter](http://www.NightforceOptics.com/newsletter)



# NIGHTFORCE®

All trademarks, graphics and designs herein are the property of Nightforce Optics, Inc. Product specifications are subject to change without notice. Products may differ in appearance from those shown here; not responsible for typographical errors. Visit [www.NightforceOptics.com](http://www.NightforceOptics.com) for current information, tutorials, and video. Lightforce USA, dba Nightforce Optics, Inc. ©Nightforce Optics, Inc. 2016 2/16

#### Factory/Headquarters U.S.A. Customer Service, Technical & Warranty:

Nightforce Optics, Inc.  
336 Hazen Lane  
Orofino, ID 83544  
tel 208.476.9814 • fax 208.476.9817  
info@nightforceoptics.com

#### North American Dealer Sales:

Nightforce Optics, Inc.  
2749 Providence Church Road  
Lavonia, GA 30553  
tel 706.460.5500  
dealersales@nightforceoptics.com

#### Military, Government & Law Enforcement:

Nightforce Optics, Inc.  
2749 Providence Church Road  
Lavonia, GA 30553  
tel 706.460.5515  
militaryinfo@nightforceoptics.com



[facebook.com/NightforceOptics](https://facebook.com/NightforceOptics)



[instagram.com/Nightforce\\_Optics](https://instagram.com/Nightforce_Optics)



[twitter.com/NightforceOptx](https://twitter.com/NightforceOptx)



[youtube.com/NightforceOptics](https://youtube.com/NightforceOptics)

#### Marketing:

Nightforce Optics Inc.  
2749 Providence Church Road  
Lavonia, GA 30553  
tel 706.460.5505  
marketing@nightforceoptics.com

#### European, Asian & African Sales:

Nightforce Optics, Inc.  
2749 Providence Church Road  
Lavonia, GA 30553  
tel 706.460.5511  
intlsales@nightforceoptics.com

#### Australian & South Pacific Sales:

Nightforce Optics  
11 Manton Street  
Hindmarsh, SA 5007 Australia  
tel +61 (0)8 8440 0888  
fax +61 (0)8 8346 0504

#### International Warranty & Service:

Please contact your country's authorized Nightforce Optics distributor and/or retailer for instructions. A list of international distributors and dealers can be found at [www.NightforceOptics.com](http://www.NightforceOptics.com).