

MILLETT

Precision Hunting Optics



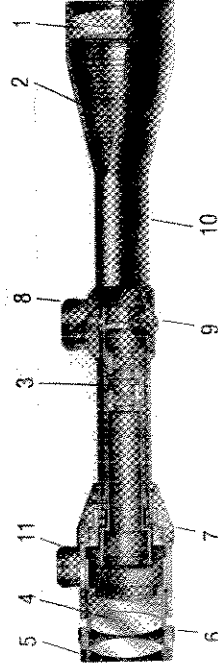
OWNERS MANUAL & INSTRUCTIONS

Welcome to the growing family of shooters, hunters, and sportsmen who are going afield with Millett. We thank you for your trust and confidence. Your scope is designed and built for the most rugged field conditions. We guarantee the performance for a life time.

SCOPE FEATURES

Every shooter should have a good understanding about how his scope works. It's important to take the time to learn each of the major components of the scope and how they relate to each other. When all the settings and adjustments are properly set for your eyes and shooting conditions, you will achieve maximum performance from the optical system. Below is a cut away view of the scope to show how it is designed.

1. Looking at the front of the scope, the large lens is called the objective lens. The light passes through the lens and creates the image which you see up side down.
2. The light then travels down the one piece tube past the light reflection baffles. The baffle area has a special coating to absorb any stray or reflected light. This greatly helps to improve image quality.
3. The image passes through the erector lens assembly which returns the image to a right side up position. The erector lens assembly also determines the magnification of the image. When the power ring is turned it moves the erector lenses closer or further apart changing the magnification. On a fixed power scope the erector lenses are locked into one position determining the power setting.
4. Next the image is transmitted into the ocular lens assembly or eye piece, where it works together with the other lenses to establish the final image. The eye piece also determines the eye relief (the distance between your eye brow to the eye piece lens) and allows you to make adjustments in the diopter settings to match your eyes whether you be near or far sighted. This adjustment must be fine tuned to sharply focus the reticle image or cross hairs which is your point of aim.



5. Rubber Eye Guard
6. Fast Focus Eye Piece
7. Power Zoom Ring
8. Windage and Elevation Adjustments

9. Coil Spring System
10. One Piece Main Body Tube
11. Light Intensity Switch On Illuminated Reticle Models

HOW TO FOCUS THE EYE PIECE

There are two styles of eye piece designs. If you have a Millett fast focus eye piece model, follow these instructions.

1. Hold scope about three inches from your eye.
2. Look through the scope at a featureless area, such as a wall or the open sky. Next, fine tune the reticle focus by rotating the fast focus eye piece ring. If you have a eye piece with a locking ring, you must first loosen the lock ring to make adjustments. Grasp the eye piece with your hand and turn it counter-clockwise. After the ring is loose, rotate it clockwise to allow for fine tune adjustments. After focusing return the lock ring to rest firmly against the eye piece.

WARNING !!!

DO NOT LOOK AT THE SUN - AS PERMANENT EYE DAMAGE, EVEN BLINDNESS MAY RESULT. ALWAYS CHECK TO BE CERTAIN THAT THE FIREARM IS UNLOADED BEFORE YOU WORK ON IT !!!

MOUNTING YOUR SCOPE

If you are mounting the scope yourself please refer to the detailed mounting instructions inside the scope mount package. We recommend using Millett Scope Mounts for a rock solid installation.

PRE-ZEROING

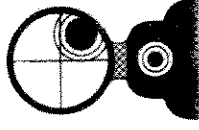


Fig. 1



Fig. 2

If available, use a bore sighter collimator to pre-zero your rifle. At an approved range, or other safe area, bench rest the rifle. Remove the windage and elevation caps. If you have a bolt action rifle, remove bolt. If you have a lever, pump, or semi-auto loading rifle, use a mirror type bore sighting device, available from your gun retailer.

If you have a zoom power scope, turn the power change ring to the highest setting.

Sight through the bore at a target at 100 yards. Position the rifle about to center the target in the bore. (Fig. 1.) Sight through the scope and adjust the windage and elevation to center the target on the scope reticle. (Fig. 2.)

FINAL ZEROING

Since final zeroing involves live fire, check bore to be sure it is free of any obstructions before loading. Use eye and ear protection.

Fire three rounds at your target. Note the point impact on the target. Measure the distance from the group center to target center.

Adjust the windage and elevation screws accordingly. Each click adjustment will move the bullet impact by approx. 1/4" at 100 yds. depending on model. Replace windage and elevation caps when zeroing is completed.

ELEVATION & WINDAGE ADJUSTMENTS

If your scope has the finger touch adjustments with resettable dials for bullet drop compensation follow these instructions:

1. Zero-in the scope for desired range, for example 100 yards. Holding the elevation dial as shown. (Fig. 3) Loosen the two retaining screws at the top to make the dial free and rotatable around the adjustment knob.
2. Hold the zero-in position of the knob with your forefinger, then rotate the dial with another finger until "0" of dial points to the Indication Mark on the turret. (Fig. 4)
3. Tighten the two retaining screws to lock the dial in position (Fig. 5)

Now the elevation dial has been reset to indicate "0" for the basic zero-in at 100 yards. (60 clicks/divisions for full turn of adjustment screw) Just turn the dial to "0" to return to the basic zero-in at 100 yards. The windage dial can be reset in the same way.

ELEVATION & WINDAGE ADJUSTMENTS FOR TARGET AND TACTICAL SCOPES

Millett target adjustment provide 1/8 minute click adjustments for windage and elevation. Indicators on the micrometer portion of the dial show the number of complete 360° rotations that have been made. (Fig. 6.)

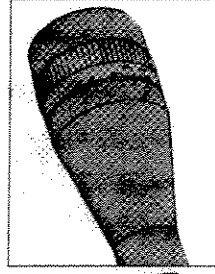
The target style adjustment are very easy to reset to "0". To reposition the dials follow these instructions:

1. Use a small flat screw driver to loosen all three set screws around the top of the knob until the cylinder turns freely. (Fig. 7.)
2. Turn the cylinder by hand to align the "0" with the indicator mark at the base.
3. Retighten the set screws firmly. **Do not over tighten.**

ADJUSTABLE OBJECTIVE SCOPES

All scopes over ten power in magnification, should

have an adjustable objective lens to sharply focus the image and eliminate parallax. All Millett adjustable objectives have a extended range of focus from ten meters out to infinity. This feature is most important to the precision target shooter because he requires the optical system to be free of parallax at several fixed ranges. This is much less critical to the hunter shooting large game. However long range varmint hunting requires the same accuracy as the precision target shooter.



MAINTAINING YOUR SCOPE

Your Millett scope is shockproof and waterproof. **You should never try to take it apart or clean it internally.** Do not remove any screws or components from your scope. The only exception is the windage and elevation adjustment covers which should be replaced after making adjustments. Your scope is a sealed system containing nitrogen gas. If your scope ever does need repair or modification, it should be returned to the Millett Service Department 1-800-MILLETT.

Your Millett scope will perform it's best if occasionally wiped clean with a lens cloth or optical lens paper. Keep protective lens covers in place when the scope is not being used.

THE BUCK LIGHTENING

All Millett illuminated reticle model scopes, have a battery and switch compartment which is part of the eye piece assembly. The battery power source will require replacement from time to time depending on use. We recommend that the shooter carry a extra battery while in the field as a safety factor. To replace the battery, simply remove the switch cover containing the battery and replace it with new one in the same position positive side up. Your switch will not work if the battery is upside down.

The illumination on the reticle is fully adjustable with eleven settings for brightness. It is recommended to start with the lowest settings under dark conditions. If the brightness setting is set too high for the outside conditions, the brightness of the illuminated reticle or cross hair can detract from the image quality of your sight picture.



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