



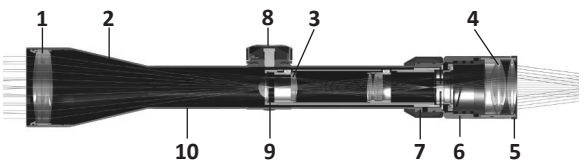
## WELCOME

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 lifetime.

## SCOPE COMPONENTS / 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 cutaway 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 upside 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 assemble which returns the image to a "right side up" position. The erector lens assemble 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 eyepiece, where it works together with the other lenses to establish the final image. The eyepiece also determines the eye relief (the distance between your eye when positioned to view the entire image and the surface of the ocular lens) and allows you to make adjustments in the diopter settings to match your eyes whether you are 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 Eyeguard
- 6. Fast Focus Eyepiece
- 7. Power (Zoom) Ring

- 8. Windage & Elevation Adjustments
- 9. Coil Spring System
- 10. One Piece Main Body Tube

## HOW TO FOCUS THE EYEPIECE

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

1. Hold the scope about three inches from your eye.
2. Look through the scope at a featureless area, such as a blank wall or the open sky. Next, fine tune the reticle focus by rotating the fast focus eyepiece ring.

If you have an eyepiece with a locking ring, you must first loosen the lock ring to make adjustments. Grasp the eyepiece 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 eyepiece.

### **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 boresighter 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 the 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 placed at 100 yards. Position the rifle 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 ammo fire, check the 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 of 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.  $\frac{1}{4}$ " at 100 yards, depending on the scope model. Replace windage and elevation caps when zeroing is completed.

## ELEVATION AND WINDAGE ADJUSTMENTS

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

1. Zero-in the scope for the desired range (for example, 100 yds). Holding the elevation dial as shown (Fig. 3), loosen the two retaining screws at the top to make the dial freely 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" on the 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).



Fig. 3



Fig. 4



Fig. 5

Now the elevation 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 following the same process.

## ELEVATION & WINDAGE ADJUSTMENTS FOR TARGET AND TACTICAL SCOPES

Millett target adjustments 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 adjustments are very easy to reset to "0". To reposition the dials, follow these instructions:

1. Use a small flat screwdriver 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.**



Fig. 6



Fig. 7

## ADJUSTABLE OBJECTIVE SCOPES

All scopes over ten power magnification should have an adjustable objective lens to sharply focus the image and eliminate parallax. All Millett adjustable objectives have an 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.

Your Millett scope will perform its 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.

## LIFETIME LIMITED WARRANTY

Congratulations on the purchase of your new Millett product. You have chosen one of the finest values available today. This product carries Millett's **LIFETIME LIMITED WARRANTY**. This product is warranted against original defects in material and/or workmanship for the length of time specified by this warranty, provided, however, that the unit has not been abused, taken apart or tampered with in any way whatsoever.

This warranty is limited to the original purchaser and is not transferable. **This warranty applies only to products purchased in the United States of America.** Any return made under this warranty must be accompanied by the items listed below:

- 1) A check/money order in the amount of **\$10.00** to cover the cost of postage and handling
- 2) Name and address for product return
- 3) An explanation of the defect
- 4) Proof of Date Purchased
- 5) Product should be well packed in a sturdy outside shipping carton to prevent damage in transit, with return postage prepaid to the address listed below:

SEND TO:

**MILLETT**

Attn.: Repairs

9200 Cody

Overland Park, Kansas 66214

Millett shall not be liable for any consequential, incidental or contingent damages whatsoever. Some states do not allow the exclusion of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

Non-warranty repairs or refurbishing of your Millett product are always provided at a reasonable cost.

**For products purchased outside the United States please contact your local dealer for applicable warranty information.**

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