

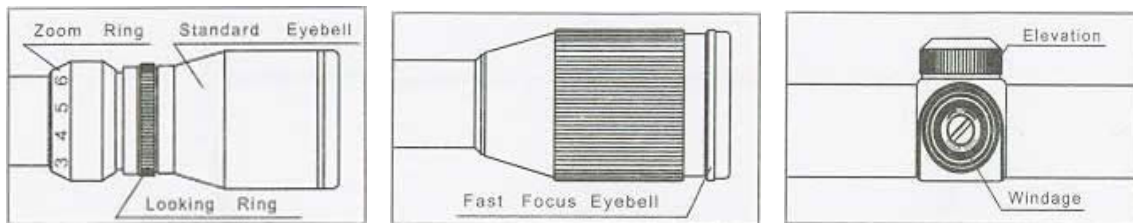
Instruction

FOCUSING

While holding the scope about three or four inches from your eye, quickly glance through the eyepiece at a featureless, flatly lit bright area such as a wall or open sky.

Caution: viewing the sun can cause serious eye injury, never look at the sun with this product or even the naked eye.

If the reticle is not sharply defined instantly, loosen the eyeball locking ring. Turn the eyepiece (either direction) a few turns. Quickly glance through the scope again. If the focus has improved, but is still not perfect, continue focusing. If the focus condition became worse, turn it the opposite way. When the reticle appears in sharp focus, retighten the locking ring.



On models equipped with a fast focus eyeball, one only needs to turn the eyeball in or out for adjustment. There is no lock ring with which to be concerned.

MOUNTING

Caution: be sure gun not loaded. Use safe gun handling procedures at all times.

Separate the tops of the ring from the bottom portion. Set the scope in the cradles formed by the bottom portions. Replace the tops, but don't tighten.

Push the scope as far forward as it will go. Rotate the scope so that the elevation turret is on top.

Shoulder or bench rest the rifle and pull the scope back toward you until you see the full field of view. Check altitude of the reticle. The vertical and horizontal components should be aligned with the bore axis, tighten the ring tops.

When the scope is properly positioned and the reticle aligned with the bore axis, tighten the ring tops.

CAUTION: do not over-tighten. Over-tightening can cause damage to the scope, affecting performance or even rendering it inoperable. There should be a slight gap between the rings and the scope. The gaps should be even on the left and right side of both rings.

PRE-ZEROIGN

Caution: be sure gun is not loaded. Use safe gun handling procedures at all time.

Pre-zero sighting, you can bore sight.

To bore sight, remove the bolt from bolt action guns, open other types. If you have a parallax correctable model riflescope, (see parallax corrections) , rotate the parallax ring to the 50 yard position. Set zoom scope to mid power.

Rest the rifle on a steady support and remove the windage and elevation caps. Look through the bore, from the breech, (for actions other than bolt, you will need a small mirror positioned in the ejection port and tilted so you can through the bore) , at a 50-yard target. Move the butt stock to center the target in the bore.

Without disturbing the rifle, adjust windage and elevation screws to center the reticle on target.

To raise the point of impact, turn the elevation screw counterclockwise. To shift left, turn windage screw clockwise.

If large amounts of windage and elevation adjustments are needed to bore sight, make about ½ of the balance of elevation correction and then windage.

NOTE: if you have windage adjustable rings, make major windage adjustments with them. Final adjustment can be made with the scope's built-in system.

FOR AIRGUN SOCPES: remove the protective caps and rotate the finger adjustable windage and elevation drums to center the reticle.

ZEROING

Caution: all shooting should be done at an approved range or other safe area. Eye and ear protection is recommended.

DANGER: if you used a bore sighting collimator device, remove it before proceeding. If the barrel has been frilled for a mount, check that screws do not protrude into the bore. Do not fire live or even blank ammunition with an obstructed barrel. An obstruction can cause serious damage to the gun and possible personal injury to yourself and others nearby.

Set zoom models to highest power, parallax correctable models to 100yard setting.

From a steady rest position, fire three rounds at a 100 yard target. Observe bullet strike on the target and adjust windage and elevation screw as needed to correct aim.

NOTE: each click of adjustment changes bullet strike by the amount shown on the chart bellow.

Windage / Elevation (inches of movement per click)			
50 yard	100 yard	200 yard	300 yard
1/8"	1/4"	1/2"	3/4"

When you have finalized zeroing, replace windage and elevation caps.

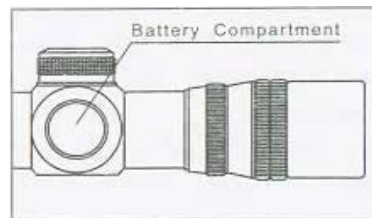
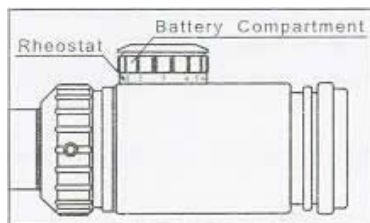
For future reference, make a chart of the correct windage and elevation settings for each load you shoot and for each range.

NOTE: Since altitude, temperature, wind, rain and other climatic conditions affect trajectory, you may not see a slight deviation in the exact settings from one shooting session to the next.

SCOPES WITH ELECTRONIC RETICLES

If your scope has an electronic reticle, there are degrees of illumination.

The rheostat is located at the top of the eyepiece. The batteries (include with the unit) are coin style lithium batteries. When replacing the batteries, inset them “+” side up in the battery housing.



MAINTAINING YOUR RIFLESCOPE

Your rifle scope is shockproof and waterproof. However, you should never try to take it apart or clean it internally.

The exposed optical surfaces will perform their best if they are occasionally wiped clean with the lens cloth provided or with an optical quality lens paper like those for eyeglasses or camera lenses. Keep the protective lens covers in place when the scope is not being used.

Maintain the metal surfaces of your rifle scope by removing any dirt or sand with a soft brush so as to avoid scratching the finish. Wipe down the scope with a damp cloth and follow with a dry cloth. Finally, going over the tube with a silicone treated cloth will restore luster and protect the scope from corrosion. Be careful not to touch any of the lenses with the silicone cloth.

SPECIFICATIONS

Model	Power	Objective	Field View	Exit Pupil	Eye Relief	Adjustment	Length	Remark
		Diameter	(Deg)	(mm)	(mm)	Per click	(mm)	
		(mm)				(at 100yds.In.)		
LONG EYE RELIEF SCOPE SERIES								
M0320A	2.5	20	3	8	245-450	1/2	220	
M0328A	2.5	28	3	11.2	282-450	1/2	224	
M0432H	4	32	1.9	8	238	1/4	255	
M0432H	4	32	1.9	8	238	1/4	255	Illuminated reticle
M0432HG	4	32	1.9	8	238	1/4	255	Glass illuminated reticle
M20632H	2-6	32	3.6-1.2	17.7-5.9	271-221	1/4	281	
SHORT SERIES								
M0428	4	28	4	7	69	1/4	173	
M0428R	4	28	4	7	69	1/4	173	Illuminated reticle
M0432SE	4	32	4	8	76	1/4	201	
M0432SER	4	32	4	8	76	1/4	201	Illuminated reticle
M0432P	4	32	4	8	128	1/4	220	
M0432PR	4	32	4	8	128	1/4	220	Illuminated reticle
M30928S	3-9	28	7-2.3	9.3-3.1	50-52	1/4	190	
M30940S	3-9	40	7-2.3	13.3-4.4	51-52	1/2	190	
LONG SERIES								
M0432	4	32	5.5	8	95	1/4	237	
M0432R	4	32	5.5	8	95	1/4	237	Illuminated reticle
M0440	4	40	5.5	10	95	1/4	263	
M0640	6	40	5.5	6.7	95	1/4	295	
M30932	3-9	32	7.5-2.4	10.7-3.6	90-67	1/4	282	
M30932R	3-9	32	7.5-2.4	10.7-3.6	90-67	1/4	282	Illuminated reticle
M30940	3-9	40	6.8-2.6	13.3-4.4	85-69	1/4	315	
M30940R	3-9	40	6.8-2.6	13.3-4.4	85-69	1/4	315	Illuminated reticle
M0640B	4	40	3.8	16.7	75.2	UP1,L1/2	300	
M41040	3.5-10	40	5.3-2.0	11.9-6.2	64.2-68.9	UP1,L1/2	330	