

In the event that you should require service for your Nikon RIFLESCOPE,
please send it directly to:
Nikon Scope Service
841 Apollo Street, Suite 100
El Segundo, CA. 90245-4721
1-800-Nikon SV.



P-223 Riflescope

3x32 3-9x40

Manufacturer: **NIKON VISION CO., LTD.**
3-25, Futaba 1-chome, Shinagawa-ku, Tokyo 142-0043, Japan

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Instruction manual

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Congratulations on your choice of a Nikon P-223 Riflescope. Your new scope is the finest example of Nikon's rugged and durable construction and precision bright optics; important qualities for a serious shooter's rifle-scope.

Whether you use your scope for hunting or for target shooting, the procedure for mounting is identical. A set of high quality steel mounting rings which have a standard diameter of 25.4 mm (1 inch) are required to mount the scope. Follow the ring manufacturer's instructions for mounting procedures. After mounting the scope on your rifle, follow the procedures for reticle alignment.

ITEM SUPPLIED

Body	1 piece
Eyepiece cap.....	1 pair
Objective cap.....	

* Specifications and design are subject to change without notice.

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Caution

- (1) Do NOT look at the sun through the riflescope. It will permanently damage your eye. This precaution applies to all optical devices, such as cameras and binoculars.
- (2) The riflescope is effectively sealed against moisture and dust. You may use your scope safely either in the rain or in dusty climates. To preserve the appearance of the scope, we recommend that it be dried and cleaned prior to storage. Use a soft cloth for cleaning metal surfaces and use photographic lens tissue to clean the scope's lenses.

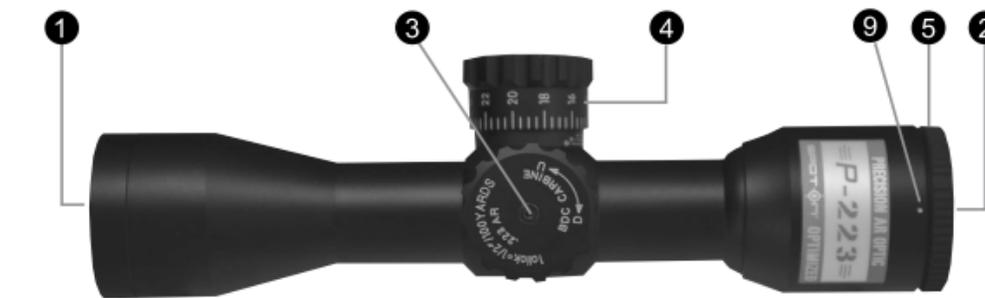
When setting the reticle for hunting, you should determine your standard range and then adjust the reticle based upon that target distance. For targets which vary from that standard distance, according to personal preference, you may simply adjust the position of the reticle in relation to your target, or you may wish to use the procedure for trajectory compensation.

We hope that you will enjoy your new Nikon P-223 Riflescope for many years to come. Enjoy using it, and above all, always follow safe shooting procedures.

N.B. Export of the products* in this manual may be controlled under the laws and relatives of the exporting country. Appropriate export procedure, such as obtaining of export license, shall be required in case of export.

*Products: Hardware and its technical information (including software)

1. Nomenclature

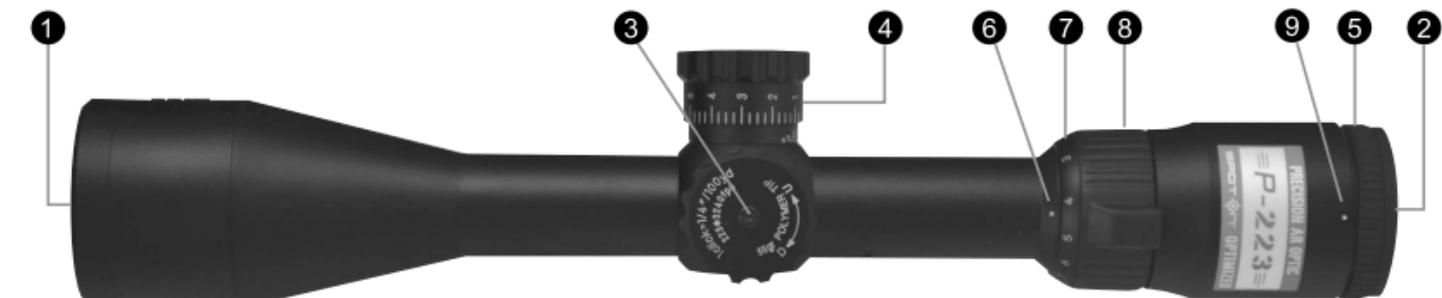


3x32

Fig. 1-1

- ① Objective Lens
- ② Eyepiece Lens
- ③ Elevation Adjustment Turret
- ④ Windage Adjustment Turret
- ⑤ Eyepiece Adjustment
- ⑥ Power Index Dot*
- ⑦ Power Scale*
- ⑧ Power Selector Ring*
- ⑨ Diopter Index Dot

*3-9x40 only



3-9x40

Fig. 1-2

2. Specifications

Model	3x32	3-9x40
Actual Magnification	3x	3-9x
Objective Diameter	(mm) 32 (in) 1.26	40 1.57
Exit Pupil	(mm) 10.7 (in) 0.42	4.4 (at 9x) 0.17 (at 9x)
Eye Relief**	(mm) 86.4 (in) 3.4	91-91 3.6-3.6
Tube Diameter	(mm) 25.4 (in) 1	25.4 1
Objective Tube Diameter	(mm) 39.3 (in) 1.55	50.3 1.98
Outside Diameter of Eyepiece	(mm) 41 (in) 1.61	44 1.73
Adjustment Graduation (inch/1 click)	1 click: 1/4" @ 100yds	1 click: 1/4" @ 100yds
Max Internal Adjustment (Elevation & Windage) *(MOA)	150	80
Parallax Setting	(m) 91.44 (yds) 100	91.44 100
Field of View**	(m) 11.87 @ 100m (ft) 35.6 @ 100yds	11.3-3.8 @ 100m 33.8-11.3 @ 100yds
Length	(mm) 206 (in) 8.1	314 12.4
Weight	(g) 345 (oz) 12.2	485 17.1

*MOA = Minute of Angle ** (at minimum magnification)-(at maximum magnification)

3. Instructions

(1) Focusing

- 1 Look through the eyepiece with your eye positioned about 10 cm (4 in) away from the eyepiece to see either the BDC Carbine reticle for 3x32 (Fig. 3-1), or the BDC 600 reticle for 3-9x40 (Fig. 3-2), depending on your purchased product.
Be sure your eye is positioned within proper alignment and proper eye relief, otherwise the view will “black out.”
- 2 Point the objective end of the scope at the sky (do NOT point at the sun) or at a plain unpatterned wall.
- 3 Turn the eyepiece adjustment counter-clockwise and then turn it clockwise until the reticle appears sharp.

BDC Carbine reticle

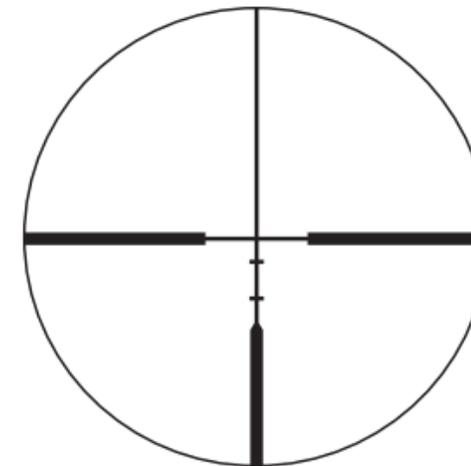


Fig. 3-1

BDC 600 reticle

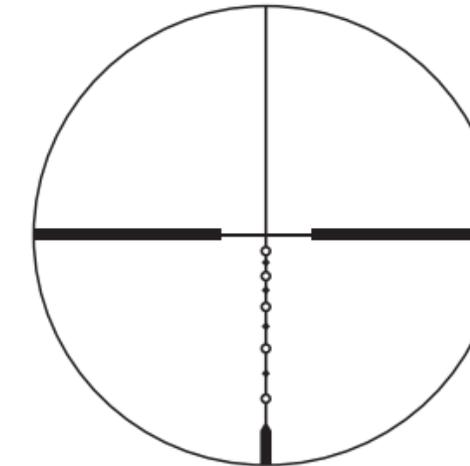


Fig. 3-2

BDC Carbine Reticle

This reticle allows the shooter to quickly and accurately engage targets out to 600 yards with the speed needed to match the AR Carbine’s versatility and mobility. The reticle is designed for a 200 yard zero, with the first hash mark below the center crosshair representing 400 yards and the second hash mark representing 600 yards using a 55 grain polymer tipped bullet with a muzzle velocity of approximately 3240 fps.

BDC 600 Reticle

Developed specifically for the trajectory of the .223 Rem./5.56 NATO round with 55-grain polymer tip bullet (3240 fps), the BDC 600 reticle offers shooters unique open circle aiming points and hash marks from 100 to 600 yards. Refer to the BDC 600 section of “Guide to using Nikon BDC Reticle”.

(2) Magnification

- The P-223 riflescope 3x32 has a fixed magnification of 3x.
- The P-223 riflescope 3-9x40 has a variable magnification from 3 to 9x.

To change powers, just rotate the power selector ring until the desired magnification appears adjacent to the power index dot.

(3) Adjustment of the riflescope

Sighting through the riflescope, align the rifle with your aiming point on the target and shoot a trial round. If the bullet does not hit the aiming point, adjust the elevation and windage adjustment turrets as follows:

- If the bullet hits under the aiming point, turn the elevation adjustment turret (counter-clockwise) in the direction of the arrow marked “U” for up. If the bullet hits high, turn the turret (clockwise) in the direction of the arrow marked “D” for down.
- If the bullet hits to the right of the aiming point, turn the windage adjustment turret (clockwise) in the direction of the arrow marked “L” for left. If the bullet hits to the left of the aiming point, turn the turret (counter-clockwise) in the direction of the arrow marked “R” for right.

(4) Zero setting of the Elevation and Windage Adjustment Turrets

The elevation/windage adjustment turrets have a pop-up adjusting system. After the reticle has been adjusted to the point of impact, pull out the adjusting turret. The adjusting turret can now be turned freely. Align the zero number to the index line to set the zero setting, and then release the turret. The turret automatically retracts to the original position.

Note:

- The windage and elevation scales of the P-223 riflescope 3x32 and 3-9x40 are calibrated in divisions of 1/4 minute of angle with a click at intervals of 1/4 minute of angle.
- When adjusting the reticle to the point of aim, remember that one minute of angle equals approximately one inch (2.54 cm) at 100 yards (91.44 m). Therefore, if the impact point is two inches (5.08 cm) low and one inch (2.54 cm) right at 100 yards (91.44 m) parallax setting, you should adjust two minutes of angle up one minute of angle left. In case of 50 yards (45.72 m) parallax setting the adjusting value is double. In case of 75 yards (68.58 m) parallax setting is 1.5 times.

Maintenance

(1) Lens cleaning

To remove dirt or fingerprints, soak gauze or lens cleaning paper (silicone free paper sold at camera retailers) with a small quantity of absolute alcohol (available from drugstores) and lightly wipe off the affected areas. Wiping with handkerchief or leather may damage the lens surface and is not recommended.

Dust may scratch the lens surface or corrode the lens.

Brush dust off using a soft oil-free brush.

(2) Scope Exterior

Use a soft dry cloth to wipe off any dirt or fingerprints that might accumulate.

It is not necessary to oil the scope's surface.

(3) Windage/Elevation Adjustment Turrets

These adjustment turrets are permanently lubricated. Do not attempt to lubricate them.

(4) Eyepiece Adjustment

This adjustment is permanently lubricated. Do not attempt to lubricate it.

(5) Power Selector Ring

No lubrication is required for the power selector ring. Do not pull up or remove the rubber covering on the zoom ring.

Waterproof models:

The riflescope is waterproof, and will suffer no damage to the optical system if submerged or dropped in water to a maximum depth of 1 meters for up to 10 minutes.

The riflescope offers the following advantages:

- Can be used in conditions of high humidity, dust and rain without risk of damage.
- Nitrogen-filled design makes it resistant to condensation and mold.

Observe the following precautions when using the riflescope:

- The riflescope should not be operated nor held in running water.
- Any moisture should be wiped off before adjusting movable parts (adjustment turret, eyepiece, etc.) of the riflescope to prevent damage and for safety reasons.

To keep your riflescope in optimal condition, Nikon Vision recommends regular servicing by an authorized dealer.