

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-22 Riflescope

2-7x32

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-22 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.....	1 pair
Rapid Action Turret (1500-1640fps)*	1 piece
Hex key*	1 piece

* Nikoplex reticle model only

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.

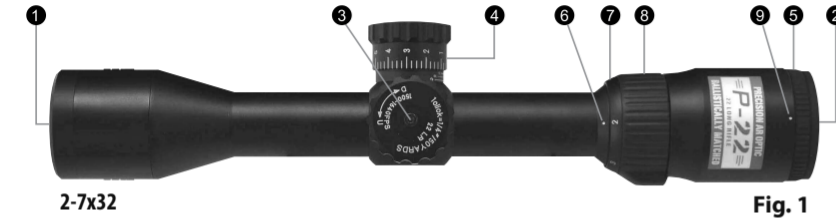
When setting the reticle for hunting, you should determine your standard range and then adjust the reticle based upon that target distance. For targets which vary from that standard distance, according to personal preference, you may simply adjust the position of the reticle in relation to your target,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

We hope that you will enjoy your new Nikon P-22 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



- 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

2. Specifications

Model	2-7x32	
Actual Magnification	2-7x	
Objective Diameter	(mm)	32
	(in)	1.26
Exit Pupil	(mm)	4.6 (at 7x)
	(in)	0.18 (at 7x)
Eye Relief**	(mm)	97-97
	(in)	3.8-3.8
Tube Diameter	(mm)	25.4
	(in)	1
Objective Tube Diameter	(mm)	42.3
	(in)	1.67
Outside Diameter of Eyepiece	(mm)	44
	(in)	1.73
Adjustment Graduation	(inch/1 click)	1 click: 1/4" @ 50yds
Max Internal Adjustment (Elevation & Windage) *(MOA)	80	
Parallax Setting	(m)	45.72
	(yds)	50
Field of View**	(m)	7.4-2.1@50m
	(ft)	22.3-6.4@50yds
Length	(mm)	291
	(in)	11.5
Weight	(g)	455
	(oz)	16.1

*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 Nikoplex (Duplex) reticle (Fig. 3-1), or BDC150 reticle (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.

Nikoplex (Duplex) reticle

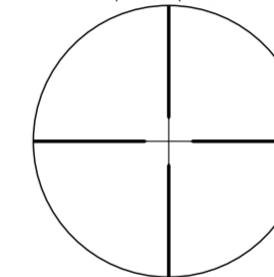


Fig. 3-1

BDC150 reticle

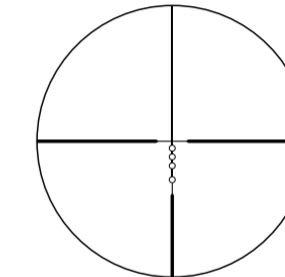


Fig. 3-2

(2) Magnification

- The P-22 Riflescope 2-7x32 has a variable magnification from 2 to 7x.
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 (counter-clockwise) in the direction of the arrow marked "U" for up. If the bullet hits high, turn adjustment (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 (clockwise) in the direction of the arrow marked "L" for left. If the bullet hits to the left of the aiming point, turn adjustment (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 P-22 Riflescope 2-7x32 are calibrated in divisions of 1/2 minute of angle, with a click at intervals of 1/2 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.

(5) Rapid Action Turret Technology (Nikoplex reticle model only)

This system, based on the .22 LR rimfire cartridge, simply and effectively allows you to dial in your elevation anywhere from 50 to 150 yards away in less than one revolution. Now you can eliminate holdover with your Nikoplex reticle with a quick turn of the turret.

The P-22 Riflescope comes with 2 elevation turrets for different ranges of rimfire cartridge velocities. The standard velocity turret (1200 -1300fps) is already installed and an additional turret for hyper velocity rimfire cartridge (1500 -1640fps) is included in the package.

The turrets are marked in 25 yard increments allowing you to maximize your rimfire rifle's performance.

To distinguish between the 2 types of Rapid Action Turrets, look at the muzzle velocity notation (1200 -1300fps or 1500 -1640fps) located on the surface of the turret.

How to interchange the Rapid Action Turret

The Rapid Action Turret can be easily interchanged between 1200 -1300fps and 1500 -1640fps with the hex key supplied only with the P-22 2-7x32 Nikoplex model. To change turrets, insert the included hex key into the socket head located on top of the turret. Loosen the screw by turning the socket head counter-clockwise. You can now remove the turret from the body and exchange it. Once the new turret is on the body, insert the socket head screw back into the hole located on top of the turret. Tighten the screw with a hex key by turning clockwise. Please make sure the turret is set securely on the body.

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 meter 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.

* Specifications and design are subject to change without notice.

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