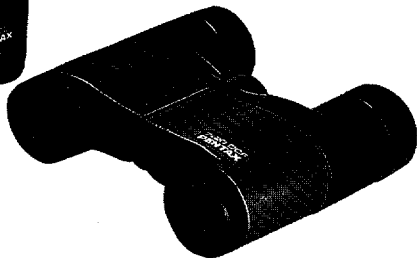


PENTAX[®]

**PENTAX BINOCULARS
7×20DCF, 9×20DCF
OWNER'S MANUAL**



Welcome to the world of Pentax binoculars! This compact, light-weight binoculars are a great companion to enjoy the view. Pentax 20 Series DCF (Roof-prism Center Focusing) binoculars, designed with the advanced technology and many years of experience in this line, are unsurpassed by any standard of comparison. The optical system adopted offers you the outstanding sharpness of vision in the entire field of view. The external configuration is straightforward and smooth for easy and reliable operation. The inner focusing mechanism enhanced the ease of handling, making it possible to use it without having to worry about dust. Mechanical parts are shielded inside the body with anti-shock rubber covering for extra durability. Slide-type eyepiece rings help to protect your eyes and eyeglasses, permitting even a eyeglasswearer to view the entire panorama comfortably. The DCF-Series binoculars are ideal to take along on leisure activities—from outdoor sports to nature observation.

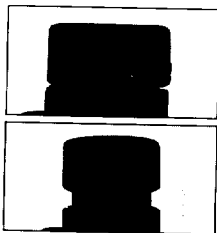
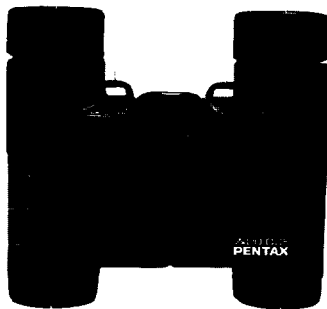
Never attempt to look into the sun with binoculars, or your eyes will be severely hurt.

Do not apply undue force to the binoculars when adjusting the eye width or when turning the diopter adjusting ring and/or the focusing wheel.

Eyepiece Lens
Eyepiece Ring
Diopter Adjusting Ring
Neck Strap Hook
Central Focusing Wheel

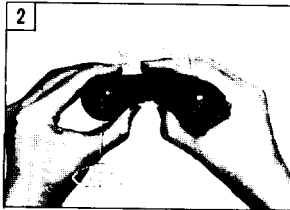
Left Barrel
Center Axis
Right Barrel

Objective Lens

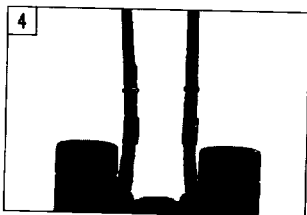


Align the triangle indexes on the diopter adjusting ring and the right barrel for zero diopter position (normal eyesight position).

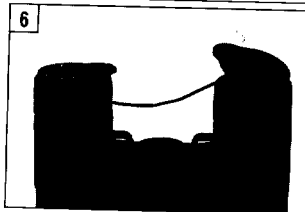
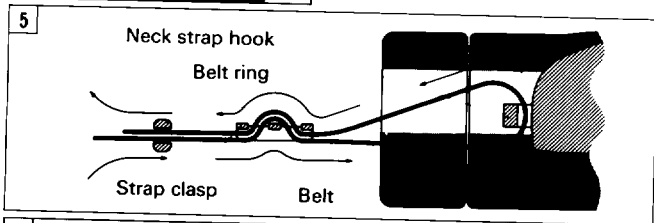
Slide out the eyepiece rings for normal use. Eyeglass wearers are recommended to keep the eyepiece rings at retracted positions when in use.



1. Softly place your eyes on the eyepiece ring, and see the vision. Adjust the eye width of the binocular to your eyes by folding or expanding the left and right barrels so that you can see both the left and right fields of view exactly in a circle.
 2. While looking through the left eyepiece lens with the left eye only, turn the central focusing wheel to focus on the object sharply.
 3. While looking through the right eyepiece lens with the right eye, turn the diopter adjusting ring until the same object comes into sharp focus.
- If you have changed the object to see, focus by just turning the central focusing wheel to the left or right.



4. Fasten the binoculars strap as shown in the photo. It is recommended to adjust the length of the strap so that the binoculars are positioned above your waist to prevent the binoculars from swinging while you walk.



5. Enough slack shall be provided to permit ease of passing the strap through the strap clasp.
6. To attach the eyepiece ring cap to the eyepiece lens, press it in the eyepiece ring.

Handling Precautions

1. When storing the binoculars, take them out of the case and put them in a well-ventilated place. A desiccator box may be useful for the purpose.
2. Occasionally remove dust on the lenses with a blower or a lens brush, and if necessary, wipe dirt off with a piece of clean soft cotton cloth or lens cleaning paper using lens cleaning fluid.
3. When water is splashed on the binoculars, dry them with clean cotton cloth thoroughly. Remember, the binoculars are not water-resistant.
4. Avoid high temperatures (over 60°C). Do not leave the binoculars in a car under the scorching sun, not put them close to a heating device, otherwise a deformation may result.
5. Do not subject the binoculars without proper insulated protection to sudden temperature changes; out into the cold outdoors from a warm room, or vice versa. It is suggested that the binoculars be placed in a vinyl bag; allow a wait of approx. 30 minutes for each 10°C change of temperature, before removing the binoculars.

Specifications

Item \ Model	7×20 DCF	9×20 DCF
Type	Roof-prism center focusing	
Magnification	7×	9×
Effective aperture of objective lens	20 mm	20 mm
Real field of view	7.5°	6.2°
Field of view at 1000 m	131 m	108 m
Field of view at 1000 yards	393 ft	324 ft
Exit pupil	2.9 mm	2.2 mm
Brightness	8.2	4.9
Focusing range	2.5 m to infinity 8.2 ft to infinity	2.5 m to infinity 8.2 ft to infinity
Eye distance adjustable range	58 to 71 mm 2.3 to 2.8 inch	58 to 71 mm 2.3 to 2.8 inch
Height & Width	93.5×102 mm 3.7×4.0 inch	91.0×102 mm 3.6×4.0 inch
Thickness	32 mm 1.3 inch	32 mm 1.3 inch
Weight	210 g 7.4 oz	210 g 7.4 oz
Accessories	eyepiece lens cap, case, neck strap	

SPECIFICATIONS ARE SUBJECT TO CHANGE AT ANY TIME WITHOUT NOTIFICATION OR ANY OBLIGATION ON THE PART OF THE MANUFACTURER.



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