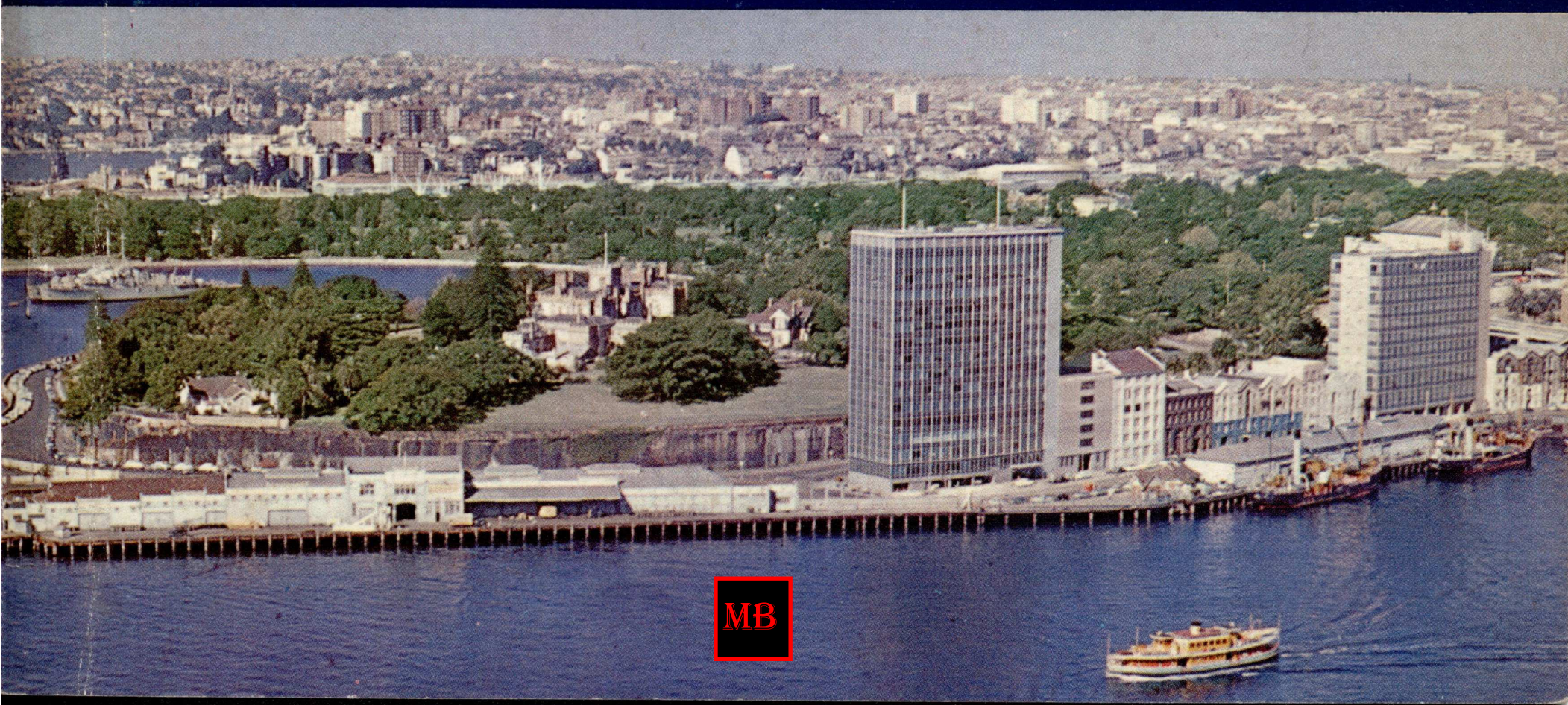


ASAHI
PENTAX

Prism Binoculars with Coated Interference Filter



A binocular, like a sports car ... or a good stopwatch ... or a set of matched derringers, is fun to own and use. A good one isn't cheap, but neither is a top quality fly rod. You buy a binocular once, and you're set for life — and then some. In fact, a good binocular is just about the least perishable thing you can own, short of a cast iron paperweight. Unless you drop it or run over it, a quality binocular will last indefinitely, and unlike most precision instruments, it requires no maintenance or adjustment whatever.

Our Asahi Pentax Prism Binoculars are superb

glasses. They're made by the same craftsmen who make Asahi Pentax single-lens reflex cameras and lenses, and they're built to exceptionally high standards, both optically and mechanically. Asahi Pentax Prism Binoculars are *new*, and while not radical in design, they represent advanced thinking on what quality binoculars should be. For example, every model except the 6X, 15 incorporates an exclusive and very important extra — a coated interference filter, described elsewhere in this booklet. Asahi Pentax Binoculars represent an outstanding value in the fine-binocular field.

which binocular is right for you?

Since the purchase of a binocular usually represents a one-time investment, it's important that you choose wisely. Some glasses are ideal for pastimes such as girl-watching, while others are more suited for spotting a moose two miles away. If your hobbies are many and varied, by all means choose a pair of general purpose 7X, 35 glasses. To help you select the right binocular for your individual needs, we've included a little chart showing which glasses are recommended for certain specific uses. And, for those of you who would like to impress your friends with binocular lore, the following paragraphs are intended to be memorized and quoted

whenever the occasion demands it.

First of all, there's no such thing as a six *by* thirty binocular — this misnomer came into being when someone decided to leave out the comma and identify glasses as 6 X 30, 7 X 35, etc. The "X" means "times" and refers to the magnification. Thus, a pair of 6X, 30 glasses makes an object six times larger than when seen with the unaided eye, or brings that object six times closer to you, whichever you prefer. What about the "30"? Most persons think this has something to do with field of view. Not so. It really stands for the diameter of the objective, or front lens, as measured in millimeter (25.4mm = 1 inch).

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Now for another impressive term — “exit pupil.” Drop this one a few times and your friends will think you’re a real binocular expert. The exit pupil of a given binocular is the diameter of the ray of light which reaches your eye through the eyepiece, and is determined by dividing the diameter of the objective lens by the power of magnification. A 7X, 35 binocular has an exit pupil of 5mm, which is about average, while a 7X, 50 binocular has an exit pupil which measures a whopping 7.1mm. The exit pupil is important if you’re looking for glasses which produce a bright image in dim light, because the larger the pupil, the better a binocular’s ability to “see” at night or through haze or fog. Normally, the pupils of our eyes are contracted to about 2mm in bright sunlight, but in dim light, they open to about 7mm, and that’s when glasses with a large exit pupil come into their own. No, glasses designed for night use won’t harm the eyes if used in bright sunlight because the eyes’

pupils are automatically contracted to 2mm.

Lastly, the field of view of a particular binocular is usually stated as a certain number of feet at 1000 yards. The binocular itself is engraved with “Field 7.5°” or “Field 11.0°.” At 1000 yards, each degree equals 52.5 feet; therefore, a binocular with an 11.0° field of view would cover 577.5 feet at 1000 yards. The wider the field of view, the easier it is for you to follow fast moving objects, like the horses in the backstretch.

Now that you’re at home with binocular terminology, consult the chart, look over the complete Asahi Pentax line, and choose your binocular. Then visit your dealer and have a look through the glasses themselves ... compare them with other binoculars ... then give the man your money and take them home with you. There’s plenty to look at, so don’t waste any more time ... get started NOW!

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models and their recommended uses

	6x, 15	6x, 25 WA	6x, 30	8x, 30	8x, 40 WA	7x, 35	7x, 35 WA	7x, 50	10x, 50	12x, 50	16x, 50
General use		B	B	A	A	A	A				
Indoor Sports, Theatre	A	A	B	B	B						
Spectator Sports	B	A	A	A	A	A	A				
Nature, Bird Study			B	A	A	A	A	A	A	A	A
Hunting			B	B	A	A	A	B	B	B	B
Hiking			B	B	B	A	A				
Boating				B	B	B	A	A			
Extreme Distance							B	B	A	A	A
Night Use								A			

WA=Wide Angle

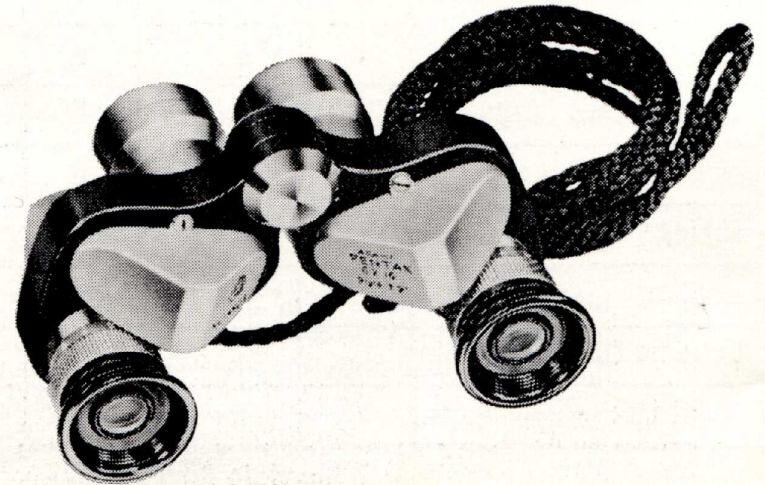
A=Excellent

B=Good

6x, 15

Among the lightest, most compact glasses ever made, this pocket-size binocular delivers superb performance. Ideal for opera, theatre, or other indoor viewing, but equally at home at the baseball game or track meet. Complete with leather case, shoulder and neck straps.

Magnification	6x
Diameter of objective lens	15mm
Diameter of exit pupil	2.5mm
Angle of view	7.5°
Field of view at 1000 yds.	394 ft.
Weight	6 oz.
Height and width	2 $\frac{5}{32}$ " x 3 $\frac{1}{16}$ "



Available in individual focus type only. All the other binoculars are available in individual focus as well as centre focus type.



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coated interference filter



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All Asahi Pentax prism binoculars illustrated on the following pages contain a built-in coated interference filter. It is this filter which gives the lenses of Asahi Pentax binoculars their distinctive colouring. The interference filter performs two important functions: it eliminates ultraviolet and infrared light rays which may be harmful to the eyes, and it prevents chromatic aberration, common in ordinary binoculars, which results in a reddish or purplish edge around the objective lens while viewing.

6x, 25 (Wide Angle)

An ultra-wide angle of view makes these compact glasses perfect for sporting events, races, and other fast-moving spectacles where large areas must be viewed. Precision built to deliver a lifetime of use and pleasure. Complete with leather case, shoulder and neck straps.



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Magnification	6x
Diameter of objective lens	25mm
Diameter of exit pupil	4.1mm
Angle of view	11°
Field of view at 1000 yds.	577 ft.
Weight	16.2 oz.
Height and width	2 $\frac{5}{8}$ " x 4 $\frac{1}{16}$ "

6x, 30

A fine all-around binocular with excellent light transmitting properties. Lightweight and compact for easy handling, yet rugged enough to withstand hard use, these versatile glasses will be your constant companion on hikes, hunting trips, and at all sports events. Complete with fitted case, shoulder and neck straps.

Magnification	6x
Diameter of objective lens	30mm
Diameter of exit pupil	5mm
Angle of view	7.5°
Field of view at 1000 yds.	394 ft.
Weight	18.3 oz.
Height and width	4 ⁵ / ₈ " x 6 ⁵ / ₈ "





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8x, 30

Light and compact, yet offering a somewhat higher degree of magnification, these glasses are chosen by many as a general purpose binocular. Fully corrected optics and superior craftsmanship make these among the finest glasses available today.

Complete with fitted case, shoulder and neck straps.

Magnification	8x
Diameter of objective lens	30mm
Diameter of exit pupil	3.7mm
Angle of view	7.5°
Field of view at 1000 yds.	394 ft
Weight	18.3 oz.
Height and width	4 ³ / ₈ " x 6 ⁵ / ₈ "

8x, 40 (Wide Angle)

A wide angle of view makes these glasses ideal as general purpose binoculars, especially for spectator sports, nature and bird study, hunting, etc. The wide vision facilitates your viewing of moving objects. Complete with leather case, shoulder and neck straps.

Magnification	8x
Diameter of objective lens	40mm
Diameter of exit pupil	5.0mm
Angle of view	9.5°
Field of view at 1000 yds.	493 ft.
Weight	28.3 oz.
Height and width	5 $\frac{2}{3}$ " x 7 $\frac{1}{5}$ "





7x, 35

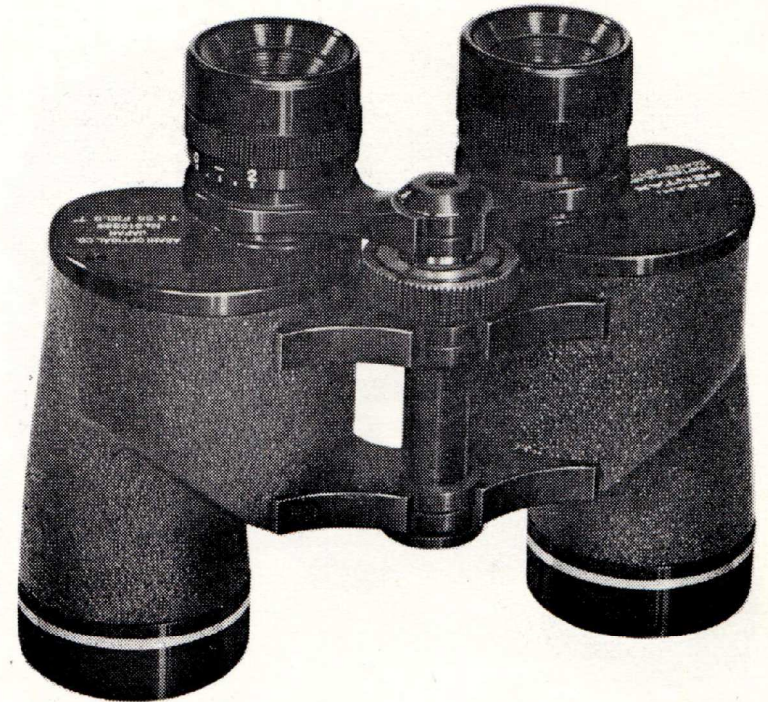
The most popular binocular size made, these glasses are truly general purpose in that they excel in almost every viewing category. Superb optics assure a tack-sharp image and eliminate eyestrain, even with prolonged viewing. Complete with fitted case, shoulder and neck straps.

Magnification	7x
Diameter of objective lens	35mm
Diameter of exit pupil	5mm
Angle of view	7.0°
Field of view at 1000 yds.	367 ft.
Weight	24.3 oz.
Height and width	5½" x 6¾"

7x, 35 (Wide Angle)

The new wide vision added to the most popular binocular type makes these glasses extremely versatile for outdoor observation. Compare the wide vision of these glasses with that of the conventional types . . . you will immediately agree that it is much easier to view. Complete with fitted case, shoulder and neck straps.

Magnification	7x
Diameter of objective lens	35mm
Diameter of exit pupil	5mm
Angle of view	11.0°
Field of view at 1000 yds.	578 ft.
Weight	28.3 oz.
Height and width	4 $\frac{1}{10}$ " x 7 $\frac{1}{5}$ "





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7x, 50

Designed for night use, this binocular's large exit pupil provides brilliant viewing under the poorest light conditions. First choice of professional and amateur boatmen, yet well suited to a variety of other uses. Complete with fitted case, shoulder and neck straps.

Magnification	7x
Diameter of objective lens	50mm
Diameter of exit pupil	7.1mm
Angle of view	7.1°
Field of view at 1000 yds.	372 ft.
Weight	38.8 oz.
Height and width	7" x 8"

10x, 50

An outstanding high-powered binocular, perfectly balanced for fatigue-free viewing. Meets the highest professional standards for brightness and clarity of image, and its rugged construction assures years of service. Complete with fitted case, shoulder and neck straps.

Magnification	10x
Diameter of objective lens	50mm
Diameter of exit pupil	5mm
Angle of view	5.5°
Field of view at 1000 yds.	289 ft.
Weight	35.8 oz.
Height and width	6½" x 8"



12x, 50

Similar to the 10x, 50 binoculars, but with higher degree of magnification and functional design, these glasses offer superb performance for many professional purposes . . . observation of the other side of the "curtain" or borderline, rare bird watching, fishing trip, hunting, etc. Complete with fine fitted case, shoulder and neck straps.



Magnification	12x
Diameter of objective lens	50mm
Diameter of exit pupil	4.2mm
Angle of view	5.5°
Field of view at 1000 yds.	289 ft.
Weight	35.8 oz.
Height and width	6 1/5" x 8"

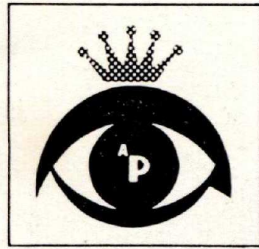
16x, 50

The most powerful type among the Asahi Pentax binoculars, these glasses meet the exacting professional requirements especially for nature, bird watching and extreme distance. Like all the other glasses, the optics are of the highest quality through the same factory where the Asahi Pentax Takumar lenses are ground, polished and assembled. Complete with fitted case, shoulder and neck straps.

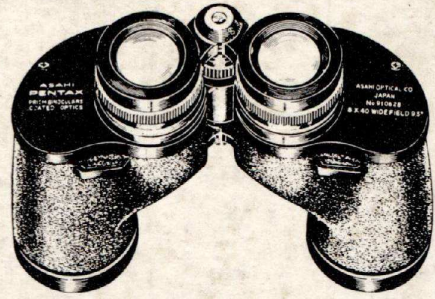
Magnification	16x
Diameter of objective lens	50mm
Diameter of exit pupil	3.1mm
Angle of view	4.0°
Field of view at 1000 yds.	210 ft.
Weight	35.8 oz.
Height and width	6½" x 8"



All models, prices and specifications are subject to change without notice.



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PRINTED IN JAPAN