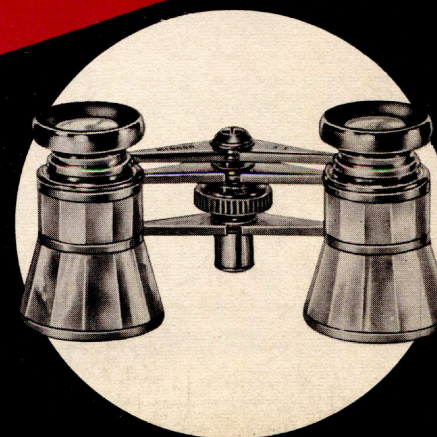


BINOLUX[®]



BINOCULARS

OPERA GLASSES

SPORT GLASSES

COMPASS

INSTRUMENT & OPTICAL CO. INC. NEW YORK, N.Y. 10010

*W*ith great pleasure we present our new catalog
of imported and domestic

Optical Specialties

Every endeavor was made to place before the trade high quality articles of excellent values.

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**PRISMATIC BINOCULARS, FIELD AND OPERA GLASSES,
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We are in a position to take care of repairs of Prismatic Binoculars, Field- and Opera Glasses, Telescopes, Microscopes etc. and recommend to make use of this service.

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Prices —All prices are f.o.b. New York, and subject to change without notice. Price lists are issued regularly; please use only the latest issue.

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COMPASS INSTRUMENT & OPTICAL CO. INC.

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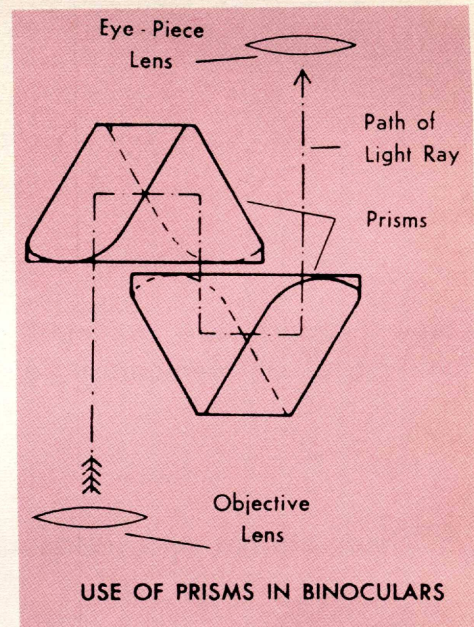
WHAT TO KNOW ABOUT BINOCULARS:

INTRODUCTION:

Haven't you ever been asked the question "What is the difference between a field glass and a binocular?" Certainly you have, and probably you are still wondering what that difference is. To enable you to answer this question, we felt it important to explain the actual difference between telescopes, opera and field glasses, and binoculars. The few minutes spent in reading this introduction will be worth your while from two standpoints: firstly, the satisfaction and confidence of knowing your product; and secondly, the assurance of a truly satisfied customer.

TELESCOPES:

Telescopes consist of a single long tube (or several collapsible ones) with the objective lens at one end to magnify the object, and the eyepiece lens at the other to erect the image. Between these two there are several other lenses which widen the field of view, again increasing the magnification, and so on. Magnification depends primarily upon the distance between the eyepiece and the objective, and therefore, because it is comparatively long, a telescope will give a high magnification, usually between 10 and 40 power. This narrows the field of view, and thus a telescope is impractical for viewing rapidly moving objects. Because of their high power we recommend that for lengthy periods of observation, telescopes should be mounted on tripods. Telescopes are used extensively on the rifle range, for long distance observation, at the seashore, or generally spotting and identifying far-distant objects.



FIELD AND OPERA GLASSES:

Field and opera glasses—sometimes called Galilean glasses—are actually two telescopes placed side by side. Since they are much shorter, they have a lower magnification, opera glasses average from 2 to 3 power and field glasses from 3 to 4 power. They consist simply of an objective lens and an erecting eyepiece lens, our better types being achromatic. Achromatic lenses are two or more lenses of different types of glass cemented together, giving a clearer image by eliminating any color fringe surrounding the objects (chromatic aberration), and also correcting any curvature of field (spherical aberration). Field and opera glasses are ideal where moderate power is desirable, such as at the opera and theatre, at sports events, or at relatively close ranges outdoors.

BINOCULARS:

There are few outdoor activities which cannot be made more enjoyable by the use of binoculars. At races, on board ship, for hunting, bird watching, at the cottage, or for any outdoor use they will add interest and knowledge to your enjoyment. The optical construction of binoculars is similar to that of field glasses, except that prisms have been added which reflect the path of the light as illustrated in the diagram. Thus the distance between the objective and the eyepiece has actually been lengthened, and magnification of anywhere from six to twenty power can be obtained without making the glass bulky. All our prismatic binoculars are equipped with achromatic lenses. Because they give high magnification, a good field of view, and are very compact, binoculars are ideal, and are accepted by professionals and amateurs alike.

TECHNICAL TERMS EXPLAINED:

THE POWER OF A BINOCULAR:

is the number of times the object is magnified; glasses with a power of 8x magnify the object 8 times. A more simple explanation is the number of times nearer the object appears through the glasses, i.e., an object 4 miles away appears only half a mile distant through an 8 power glass. The magnification (power) as well as the diameter of the objectives is usually engraved on binoculars. Thus the marking "8 x 30" means magnification 8x and objective lens diameter 30 mm. and so on.

THE EXIT PUPIL:

is the brightly illuminated circle seen in the eyepiece when the glass is held away from the eye, and is usually measured in millimeters.

In normal daylight conditions, the average person's eyes can accommodate an exit pupil of 3-4 mm., rising at night to 7 mm.

FIELD OF VIEW:

is the extent of the field seen through the glasses. It is expressed either in angular measure or in feet at a range of 1,000 feet. That is to say that a glass with a field of view of 150' will show you 150 feet of landscape at 1,000 feet—proportionately greater fields at longer ranges and less at shorter ranges.

Unfortunately the greater the magnification the less the field of view. This is an optical necessity. It follows therefore, that if you choose a glass with large magnification you must be prepared to accept a smaller field of view than you would obtain with a less powerful glass.

COATING:

It is a well-known optical phenomenon that under normal conditions, a loss of over 5% of light occurs on passing through an air-to-glass surface. An optical instrument such as a binocular containing many air-to-glass surfaces must, therefore, fail to transmit to the eyes a considerable portion of the light it receives. "Coating" of the lens surfaces eliminates this loss and restores the light to the transmitted beam. This coating is evident as a dark blue film when seen by reflected light. "Coating" therefore, has two obvious advantages:

- (1) The image or field of view is considerably brighter due to the increased transmission of light.
- (2) Contrast and definition are improved because of the almost complete elimination of stray light reflected to and fro between the various lens surfaces.

FOCUSING:

The INTERPUPILLARY DISTANCE of the eyes varies from 55 to 70 millimeters; adjustment is made by bending the bodies about their hinges, thus increasing or reducing the separation of the eyepieces until the two circular fields of view fuse into one. At this position the reading on the scale should be noted, so that it may be reset with ease on future occasions.

BINOCULAR-FOCUSING MECHANISMS:

THERE ARE TWO TYPES OF BINOCULAR-FOCUSING MECHANISMS

- (1) Central focusing mechanism = C.F.
- (2) Individual focusing mechanism = I.F.

The CENTRAL FOCUSING adjustment has a wheel mounted between the tubes of the binocular controlling the movement of the eye lenses for focusing purposes.

One of the eyepieces, the right one, is adjustable for compensating variations in strength of the eyes.

To focus a C.F. binocular:

Close your right eye and focus the left side by means of the center wheel until object is sharp. Afterwards close your left eye and focus with the right eye piece until object is also clearly defined.

The INDIVIDUAL FOCUSING MECHANISM:

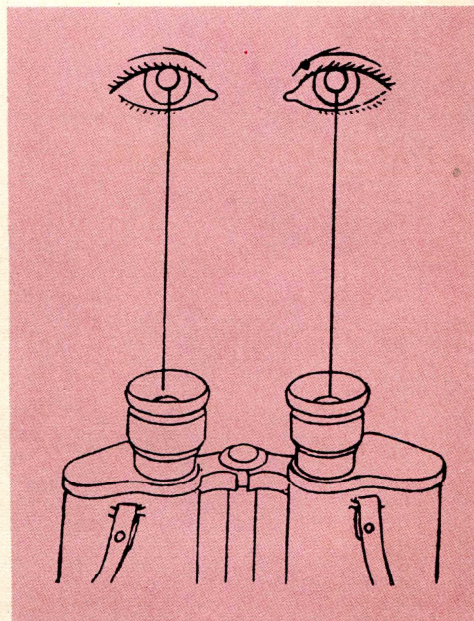
No center wheel is supplied. Each ocular lens has to be focused separately and independently.

For this purpose both eyepieces are marked in diopter scales for convenience in setting.

To focus an I.F. binocular:

Set each eyepiece separately.

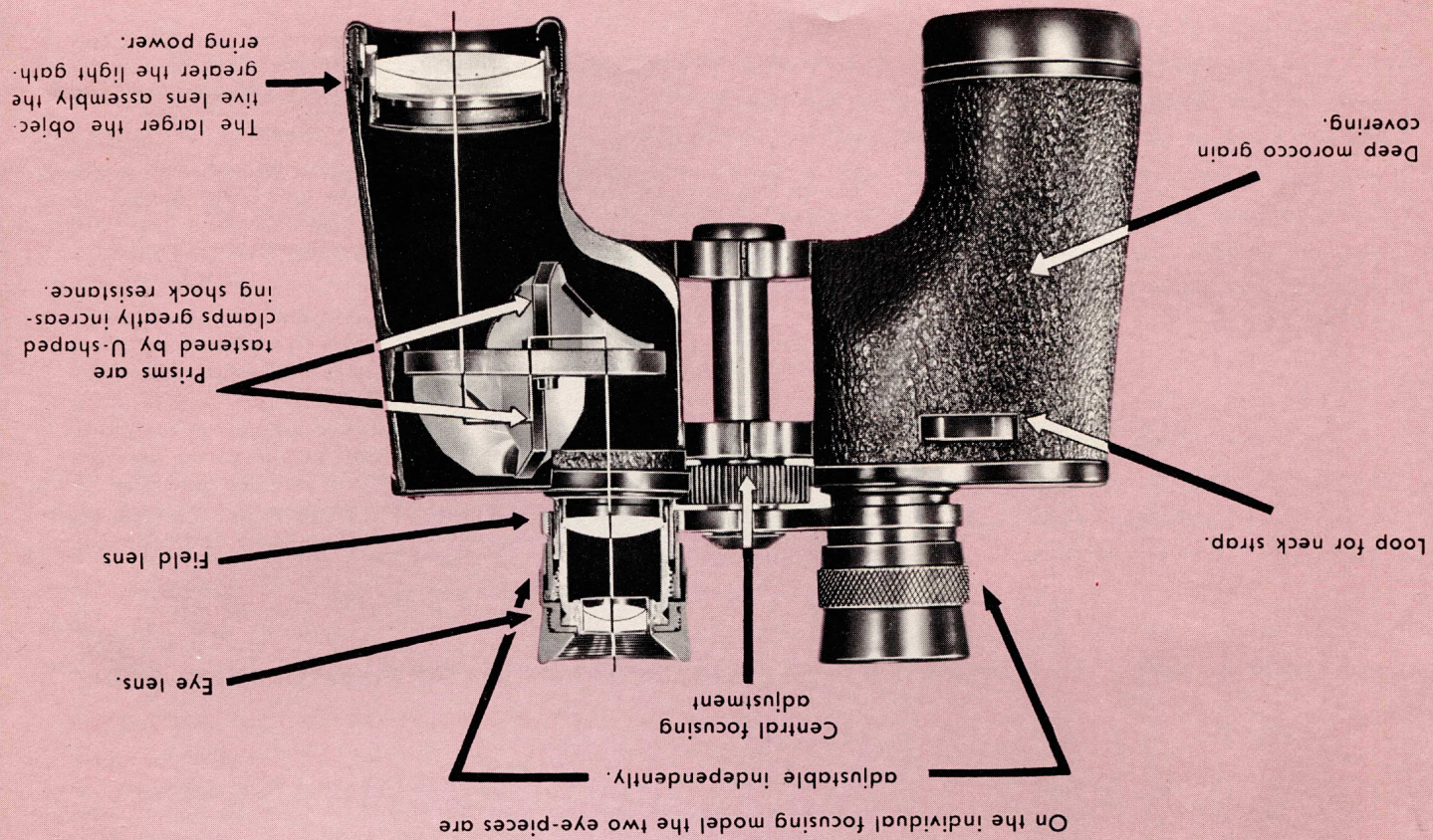
Cover left objective, while adjusting the right eyepiece; then cover right objective, while adjusting left eyepiece.



WHICH BINOCULAR TO CHOOSE:

Before buying a glass, weigh the advantages of each model. The chart below comprises a summary intended to assist in the selection of the binocular most suited for your particular need:

	6 x 15	6 x 25	7 x 18	7 x 21	8 x 20	10 x 20	10 x 40	6 x 30	7 x 35	7 x 35 Wide Angle	7 x 50	8 x 25	8 x 30	8 x 40	8 x 40 Wide Angle	8 x 50	10 x 50	16 x 50	20 x 50	20 x 70	Zoom
	2	2	2	2	2	2	1	1	1	1	2	2	2	2	1	1	2	2	2	4	1
Indoor activities	1	2	1	1	1	3	3	1	1	1	4	2	3	2	2	4	4	4	4	4	1
Racing and outdoor sports	2	2	2	2	2	3	3	1	1	1	3	3	2	2	1	2	3	4	4	4	1
Travelling	2	2	2	2	2	2	2	1	1	1	3	2	2	1	1	2	2	3	4	4	1
Bird Study	2	2	2	2	3	3	3	1	1	1	3	3	3	2	1	2	2	3	4	4	1
Forest	3	2	3	2	3	3	2	1	1	1	3	2	2	2	1	2	2	4	4	4	1
Open areas	4	2	4	2	4	2	2	1	1	1	3	2	2	2	1	3	2	4	4	4	1
Mountains	4	2	4	2	4	2	2	1	1	1	3	2	2	2	1	3	2	3	4	4	1
Navigation - Yachting	4	2	4	2	4	2	3	2	1	1	3	2	3	2	2	2	2	4	4	4	1
Long Distance view	4	2	4	2	4	2	3	2	1	1	3	2	3	2	2	2	2	4	4	4	1
Night use	4	3	4	4	4	4	3	3	2	2	2	2	3	2	1	2	2	4	4	4	1



POCKET SIZE PRISM BINOCULARS

MADE IN JAPAN

No. 4002—6 x 15 IF • Suggested List \$18.50

No. 4040—7 x 18 IF • Suggested List \$19.50

The handiest precision made miniature Prismatic Binoculars, palm—pocket size, all metal construction, satin finish, with full six and seven power magnification, internally coated, giving unbelievable clear and sharp images, with individual focusing oculars, complete with pigskin leather case, shoulder and neck straps.

No. 4011—6 x 25 Super Wide Angle, 11° CF • Sug. List \$37.95

11° angular Field of view, 604 feet at 1000 yards distance—fully coated.

An unique and outstanding general purpose Prismatic Binocular. Precision workmanship. Ideal for theater-goers, tourists and sportsmen. Central focusing adjustment. Supplied with pigskin leather case.

No. 4041—7 x 18 CF • Suggested List \$25.95

No. 4074—8 x 20 CF • Suggested List \$26.95

Midget Prismatic Binocular. All metal construction, beautiful black and chrome satin finish. Internally coated. Center focusing adjustment. Supplied in leather carrying case with shoulder and neck straps.

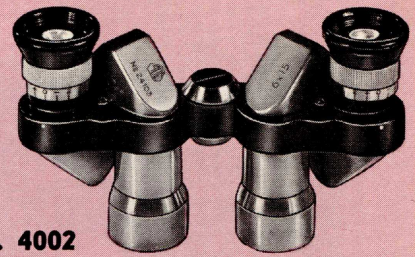
No. 4110—10 x 20 IF • Suggested List \$29.95

No. 4111—10 x 20 CF • Suggested List \$31.95

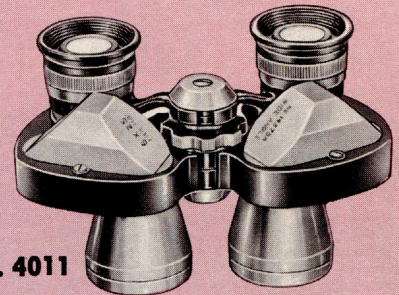
Combines high power with extreme compactness and light weight of a palm-pocket binocular, all metal construction, satin finish, internally coated, equipped with pigskin leather case, shoulder and neck straps. Individual eye focusing adjustment.

No. 4005—6 x 15 CF • Suggested List \$29.95 ea.

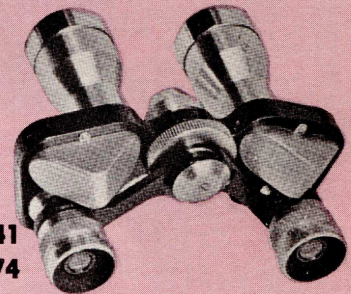
Compact flat type, 8.5° angular field of view, 445 feet at 1000 yards distance, fully coated, extremely light, center focusing adjustment. In black leather case.



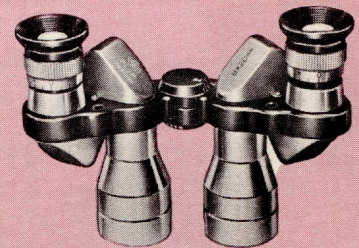
No. 4002



No. 4011



No. 4041
No. 4074



No. 4110



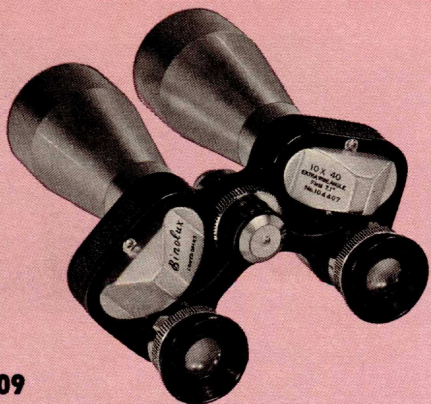
No. 4005

SPECIFICATION

Model No.	Magnification and Diameter of Objective Lens	Exit Pupil m/m	Relative Brightness	Field of View		Weight of Binocular Oz.		Shipping Weight Oz.
				In Angular Measure	At 1000 Yds. In Feet	IF	CF	
4002	6x, 15 m/m	2.5	6.25	7.1°	367	6		10
4040-4041	7x, 18 m/m	2.57	6.6	7.5°	328	7.5	8	14
4011	6x, 25 m/m	4.2	18.4	11°	604		16.5	22.5
4074	8x, 20 m/m	2.5	6.25	5.5°	288		8.5	14
4110-4111	10x, 20 m/m	2	4	5°	262	9.5	10	16-17
4005	6x, 15 m/m	2.5	6.25	8.5°	445		6.5	12

PRISMATIC BINOCULARS

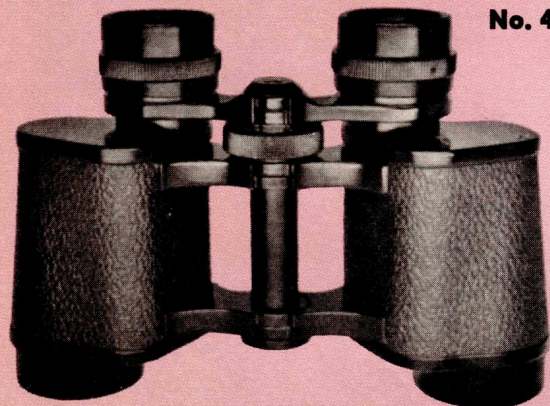
MADE IN JAPAN



No. 4109

No. 4109—MIKRON TYPE • 10 x 40 CF
Suggested List \$41.95 ea.

Extra wide angle, 7.1° angular field of view, 372 feet at 1000 yards, center focus, chrome satin finish, fully coated, in black leather carrying case.



No. 4013

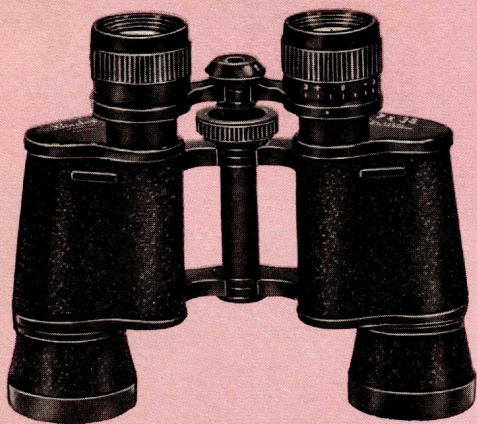
No. 4012 and No. 4013—6 x 30

Popular priced Prismatic Binoculars "Zeiss type" gives 6X magnification, internally coated for reducing reflection to a minimum, recommended for travelling, nature study, hunting, available with either individual eye focusing (Model No. 4012) or central focus adjustment (Model No. 4013), equipped with carrying case, shoulder and neck straps.

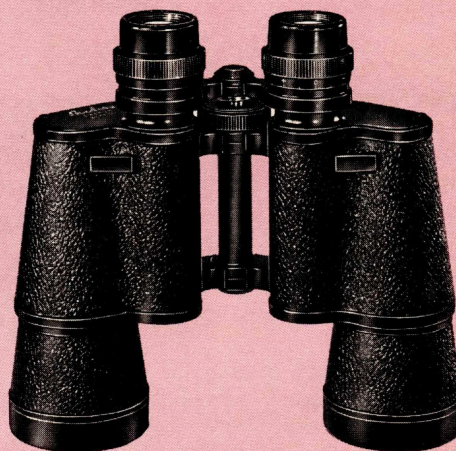
No. 4012 IF • List \$24.95 No. 4013 CF • List \$25.95

PRISMATIC BINOCULARS — Made in Germany

First class, high quality prismatic binoculars, made in Germany by skilled craftsmen, fully coated, light weight, center focusing adjustment, complete with genuine cowhide leather carrying case, shoulder and neck strap.



No. 4256—7 x 35 • Suggested List \$59.95 ea.



No. 4258—7 x 50 • Suggested List \$74.95 ea.

SPECIFICATION

Model No.	Magnification and Diameter of Objective Lens	Exit Pupil m/m	Relative Brightness	Field of View		Weight of Binocular Oz.		Shipping Weight Oz.
				In Angular Measure	At 1000 Yds. In Feet	IF	CF	
4109	10x, 40 m/m	4	16	7.1°	372		19	30
4012-4013	6x, 30 m/m	5	25	7.5°	392	18	18.5	36-38
4256	7x, 35 m/m	5	25	7°	367		18	34
4258	7x, 50 m/m	7.1	50	7.1°	372		30	56

MADE IN JAPAN

The most popular Prism Binoculars with the most desirable features of all standard models for all around use, especially recommended for all sportsmen, travellers, bird study, race tracks.

No. 4020 and 4022

"German type", available with either individual eye focusing or central focus adjustments according to the convenience of the user, internally coated, in carrying case.

No. 4020—Individual eye focusing adjustment.

Suggested List \$26.95 ea.

No. 4022—Central focusing eye adjustment.

Suggested List \$27.95 ea.

"American type" copy of the finest American make, smartly designed models of excellent illumination, achromatic optics, fully coated.

No. 4029—7 x 35 • Suggested List \$33.95 ea.

WIDE VIEW, 8° angular field of view, 420 feet at 1000 yards distance. Chromium trimmed eye-pieces and center focus adjustment wheel give the binocular a most impressive appearance. In black carrying case.

WIDE ANGLE BINOCULARS — "AMERICAN TYPE" —

Maximum light transmitting power, assures sharply defined images. Extra large oculars for sharpest detail. Complete in V-shape type leather carrying case.

No. 4036—7 x 35 • Suggested List \$41.95 ea.

10.5° angular field of view, 551 feet at 1000 yards distance, long central focusing wheel, chromium trimmed eyepieces. Built-in tripod camera adapter.

No. 4035—7 x 35 • Suggested List \$44.50 ea.

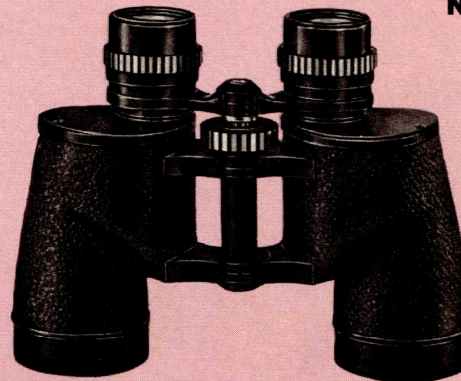
11° angular field of view, 578 feet at 1000 yards distance, central focusing adjustment chromium trimmed and chromium trimmed eyepieces, aluminum body. Built-in camera tripod adapter.

No. 5635—7 x 35 • Magnesium Body Suggested List \$49.95 ea.

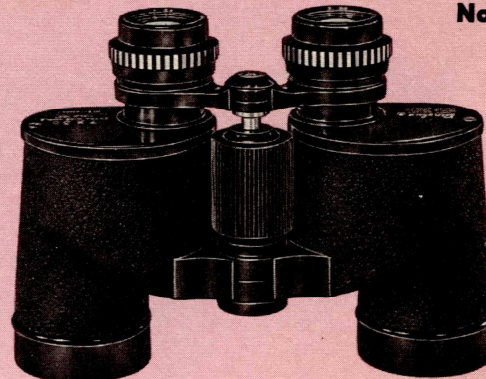
11° angular field of view, 578 feet at 1000 yards distance, chromium trimmed center focusing adjustment and chromium trimmed eyepieces, built-in camera tripod adapter.



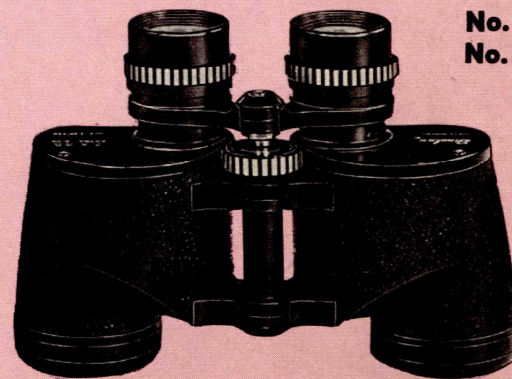
No. 4029



No. 4036



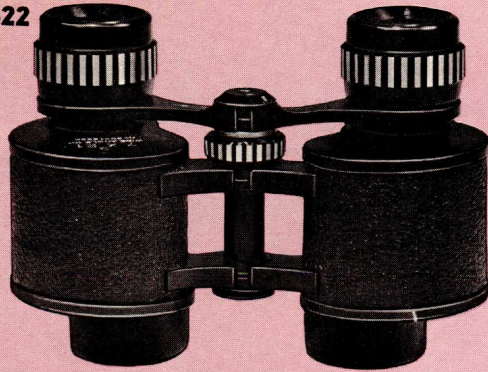
No. 4035
No. 5635



SPECIFICATION

Model No.	Magnification and Diameter of Objective Lens	Exit Pupil m/m	Relative Brightness	Field of View		Weight of Binocular Oz.		Shipping Weight Oz.
				In Angular Measure	1000 Yds. In Feet	IF	CF	
4020-4022	7x, 35/mm	5	25	6.75°	358	22	22.5	42-44
4029	7x, 35 m/m	5	25	8°	420		24	44
4036	7x, 35 m/m	5	25	10.5°	551		26	48
4035	7x, 35 m/m	5	25	11°	578		32	56
5635	7x, 35 m/m	5	25	11°	578		28	54

No. 5622



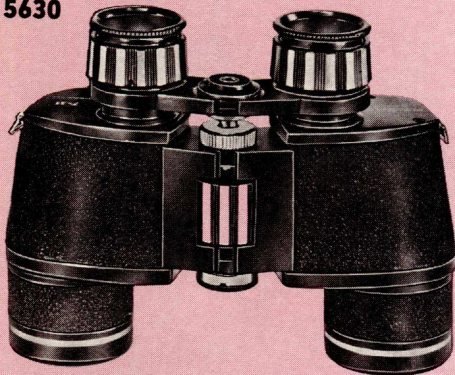
PRISMATIC BINOCULARS

MADE IN JAPAN

No. 5622—7 x 21 mm • Suggested List \$39.95 ea.

A handsome, compact, easy to carry Wide Angle, American type, Prismatic Binocular, fully coated, chromium trimmed center wheel and eyepieces, 10° angular field, 525 feet at 1000 yards distance, weights only 12 ozs. — Complete in carrying case.

No. 5630



No. 5630—7 x 35—"HORIZON" Brand.

Suggested List \$59.95

WIDE VIEW, 8° angular field of view, 420 feet at 1000 yards distance. Flat, modern type, with retractable eye cups, specially designed for wearers of prescription glasses. Fully amber coated. Built-in tripod adapter on base of center shaft. Chromium trimmed eye pieces and center wheel. Complete in black V-shape leather carrying case.

No. 4052



No. 4050—7 x 50 IF • Suggested List \$33.95

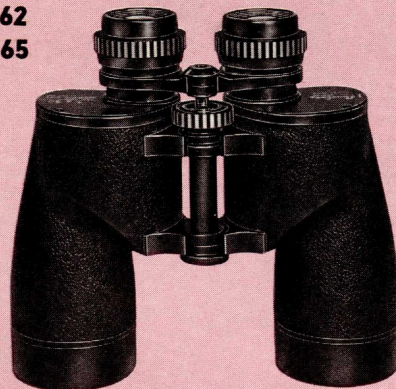
No. 4052—7 x 50 CF • Suggested List \$34.95

"German Type", Navy model, used extensively by Naval officers. The 50 mm objective lens provides greatest illumination; the most suitable instrument for yachting, navigation, exploration, available with either individual focus eye pieces (Model No. 4050) or center focus adjustment (Model No. 4052). In carrying case.

No. 4062—7 x 50 CF • Suggested List \$41.95

"AMERICAN Type". The 50 mm objective lens provides greatest illumination. Suitable for outdoor activities, yachting, navigation, etc. Center focusing adjustment. Fully coated. Sparkling, buff-finished eyepieces and center wheel appearance. Built-in camera tripod adapter. Furnished with V-shape type pigskin leather case.

No. 4062
No. 5665



No. 5665—7 x 50 CF • Suggested List \$65.95

"AMERICAN Type". Same model as above (No. 4062), however wide angle, 11° angular field of view, 578 feet at 1000 yards distance, and magnesium body, featherweight. Built-in camera tripod adapter. Retractable eye cups, specially designed for wearers of prescription glasses. Complete in V-shape type pigskin leather case.

SPECIFICATION

Model No.	Magnification and Diameter of Objective Lens	Exit Pupil m/m	Relative Brightness	Field of View		Weight of Binocular Oz.		Shipping Weight Oz.
				In Angular Measure	At 1000 Yds. In Feet	IF	CF	
5622	7x, 21 m/m	3	9	10°	525		12	20
5630	7x, 35 m/m	5	25	8°	420		22	46
4050-4052	7x, 50 m/m	7.1	50	7.1°	372	34	34.5	48-49
4062	7x, 50 m/m	7.1	50	7.1°	372		44	72
5665	7x, 50 m/m	7.1	50	11°	578		40	64

Exclusive
with
"Compass"



"CROWN" PRISMATIC BINOCULARS

GERMAN TYPE

Produced in the British Crown Colony
of Hongkong of high class quality and
Craftsmanship



Fully coated optics,
in beautiful carrying case

Offers the most critical user utmost satisfaction and pleasure.

SUGGESTED LIST PRICES

No. 3020	— 7 x 35 Individual eye focusing	\$23.95 each
No. 3022	— 7 x 35 Center Focusing	24.95 each
No. 3050	— 7 x 50 Individual eye focusing	29.95 each
No. 3052	— 7 x 50 Center Focusing	30.95 each
No. 3082	— 8 x 30 Center Focusing	24.95 each
No. 3117	— 10 x 50 Center Focusing	32.95 each

PACKED 20 TO A CARTON

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COMPASS INSTRUMENT & OPTICAL CO. INC.

104 EAST 25th STREET

NEW YORK, N. Y. 10010

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	50	4040	7x18 IF	10.25 each		54	163	2.5x42	3.75 each
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	50	4111	10x20 CF	15.75 each		250	185	2.5x	.75 each
	120	4005	6x15 CF	14.95 each		150	291	3x	7.20 each
6	30	4109	10x40 CF WA	20.95 each	15	100	216	3x26	10.95 each
	20	4012	6x30 IF	13.50 each		125	244	4x30	10.95 each
	20	4013	6x30 CF	13.95 each		100	173	3x26	9.00 each
	100	4256	7x35 CF German	29.50 each		250	238	2.5x27	7.75 each
	50	4258	7x50 CF German	36.50 each		150	240	2.5x27	7.20 each
7	20	4020	7x35 IF	14.50 each		100	242	3x28	8.95 each
	20	4022	7x35 CF	14.95 each	16	100	218	2.5x25	9.25 each
	20	4029	7x35 CF - 420 ft. AT	17.95 each		250	228	2.5x23	6.95 each
	20	4036	7x35 CF - 551 ft. AT	21.25 each		125	224	3x25	14.95 each
	20	4035	7x35 CF - 578 ft. AT	22.75 each		200	220	3x25	10.95 each
	20	5635	7x35 CF - 578 ft. MG AT	24.50 each		50	231	2.5x23	11.50 each
8	30	5622	7x21 CF AT - 525 ft.	18.00 each				MONOCULARS	
	20	5630	7x35 CF Flat 8°	29.95 each	17	50	4336	6x30	8.50 each
	20	4050	7x50 IF	17.50 each		50	4331	7x35	9.75 each
	20	4052	7x50 CF	17.95 each		50	4332	7x50	11.25 each
	20	4062	7x50 CF AT	21.95 each		50	4339	10x50	12.25 each
	20	5665	7x50 CF AT - 578 ft.	33.95 each		50	4335	16x50	14.25 each
9	20	4080	8x30 IF	13.50 each		50	4337	20x50	15.25 each
	20	4082	8x30 CF	13.95 each		50	4330	7x35 AT	11.75 each
	20	4087	8x40 CF	16.95 each		50	4340	7x - 12x Zoom	17.25 each
	20	4089	8x40 CF AT	20.95 each		100	4334	10x20	8.25 each
	20	4091	8x40 CF - 474 ft. AT WA	25.95 each				MISCELLANEOUS	
	20	4108	8x50 CF	22.50 each	18	250	3996	Clamp	1.20 each
10	20	4116	10x50 IF	17.95 each		100	785	Magni Visor	5.97 each
	20	4117	10x50 CF	18.95 each			2015	Bed Spectacle	4.95 each
	20	4136	16x50 CF	21.95 each				BINOCULARS - Made in Hong Kong	
	20	4153	20x50 CF	22.95 each		20	3020	7x35 IF	12.95 each
	20	4151	20x50 CF	25.95 each		20	3022	7x35 CF	13.50 each
	10	4156	20x70 CF	42.50 each		20	3050	7x50 IF	15.50 each
	20	5115	10x50 CF WA AT	32.50 each		20	3052	7x50 CF	15.95 each
11	20	4025	7x35 CF - 525 ft. GT WA	18.25 each		20	3082	8x30 CF	13.50 each
	20	5695	6x - 20x Zoom	40.50 each		20	3117	10x50 CF	16.95 each
	20	5689	7x - 12x - Vari Power	29.50 each					
12	50	4044	7x21 - 525 f'	29.50 each					
			FIELD, SPORT & OPERA GLASSES						
13	20	280	7x35 CF Non-Prismatic	5.95 each					
	50	169	3x40	2.05 each					
	50	171	4x40	2.25 each					

TERMS: NET 30 DAYS

Prices subject to change without notice

F. O. B., New York

MINIMUM ORDER: \$25.00

PRISMATIC BINOCULARS

MADE IN JAPAN

No. 4080—8 x 30 IF • Suggested List \$24.95

No. 4082—8 x 30 CF • Suggested List \$25.95

"German type" gives 8x magnification, ideal for hunting, big game, mountain climbing, travelling and general use, internally coated to increase perfect and brilliant light transmission, with separate eye focusing (Model No. 4080) or central focusing adjustment (Model No. 4082), supplied with carrying case.

8 x 40 Prism Binoculars

Other popular Prism Binoculars for general use, with increased light transmission on account of the large 40 mm objective lens. Coated optics.

No. 4087—8 x 40 • Suggested List \$31.95

"German type", central focusing adjustment, in carrying case.

No. 4089—8 x 40 • Suggested List \$39.95

"American type", a copy of the finest American make. Fully coated. Chromium trimmed eyepieces and center wheel, in black V-shape type leather carrying case.

No. 4091—8 x 40 • Suggested List \$51.95

"American type", wide angle, 9° angular field of view, 474 feet at 1000 yards distance. Fully coated. Chromium trimmed eyepieces and center wheel. Camera tripod adapter. In black V-shape type leather carrying case.

8 x 50 Prism Binoculars

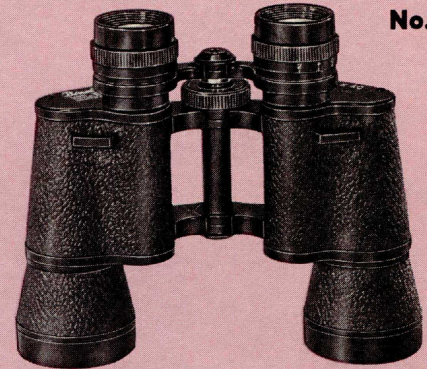
No. 4108 • Suggested List \$44.50

"German type", gives 8x magnification, gathers every bit of available light, permitting efficient viewing at dawn and hazy weather. Provides a wide field of view and greatest illumination on account of the large 50 mm objective lens. Center focusing adjustment. In carrying case.

No. 4080



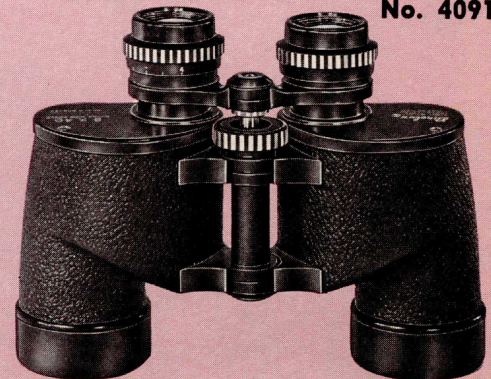
No. 4087



No. 4089



No. 4091



No. 4108



SPECIFICATION

Model No.	Magnification and Diameter of Objective Lens	Exit Pupil m/m	Relative Brightness	Field of View		Weight of Binocular Oz.		Shipping Weight Oz.
				In Angular Measure	1000 Yds. In Feet	IF	CF	
4080-4082	8x, 30 m/m	3.75	14.1	7.5°	392	16	16.5	36-37
4087	8x, 40 m/m	5	25	6.5°	351		22	46
4089	8x, 40 m/m	5	25	6.1°	332		26	46
4091	8x, 40 m/m	5	25	9°	474		32	54
4108	8x, 50 m/m	6.25	39	6°	315		35	48

No. 4116

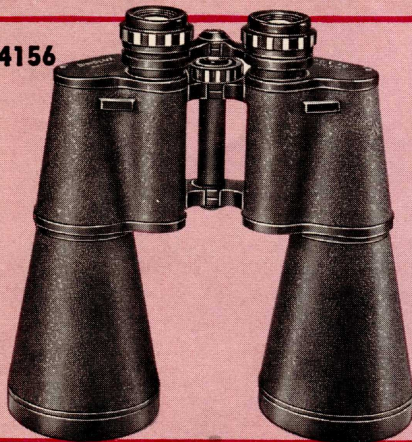


No. 4117
No. 4136
No. 4153

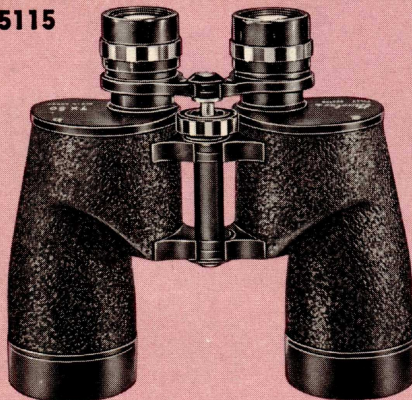
No. 4151



No. 4156



No. 5115



LONG RANGE PRISMATIC BINOCULARS

MADE IN JAPAN

Wherever a distant object has to be observed, choose one of the following high power Binoculars. These models will be found excellent for special purposes such as Aircraft spotting, Astronomy, exploring and all identification at extreme range. Coated. In carrying case.

"GERMAN TYPE"

No. 4116—10 x 50 • Individual Focusing
Suggested List \$33.75

No. 4117—10 x 50 • Central Focusing
Suggested List \$35.95

No. 4136—16 x 50 • Central Focusing
Suggested List \$39.95

No. 4153—20 x 50 • Central Focusing
Suggested List \$43.95

No. 4151—20 x 50 • Large Size • Central Focusing
Suggested List \$49.95

No. 4156—20 x 70

The extremely large objective lens of 70 mm gives special great light transmission. Wide angle, 178 feet at 1000 yards distance. Chromium trimmed eyepieces and center wheel.

Suggested List \$104.95

"AMERICAN TYPE"

No. 5115—10 x 50 • Central Focusing

Wide Angle 7° angular field of view, 367 feet at 1000 yards distance. Magnesium body, featherweight, fully coated, chromium trimmed eyepieces and center wheel. Retractable eye cups, specially designed for wearers of prescription glasses. Built-in camera tripod adapter. In black V-shape type pigskin leather cases.

Suggested List \$49.95

SPECIFICATION

Model No.	Magnification and Diameter of Objective Lens	Exit Pupil m/m	Relative Brightness	Field of View		Weight of Binocular Oz.		Shipping Weight Oz.
				In Angular Measure	At 1000 Yds. In Feet	IF	CF	
4116	10x, 50 m/m	5	25	5°	262	34		48
4117	10x, 50 m/m	5	25	5°	262		34.5	48
4136	16x, 50 m/m	3.2	10.2	3.5°	183		36	49
4153	20x, 50 m/m	2.5	6.25	3°	157		36	49
4151	20x, 50 m/m	2.5	6.25	3°	157		42	76
4156	20x, 70 m/m	3.5	12.25	3.10°	178		60	92
5115	10x, 50 m/m	5	25	7°	367		37	48

PRISMATIC BINOCULARS

MADE IN JAPAN

No. 4025

GERMAN-TYPE WIDE ANGLE BINOCULAR

7 x 35 mm—10° Angular Field of view,
525 feet at 1000 yards distance, light-
weight, center focus adjustment, in carrying
case.

Suggested List \$39.95 ea.



ZOOM-TYPE BINOCULARS

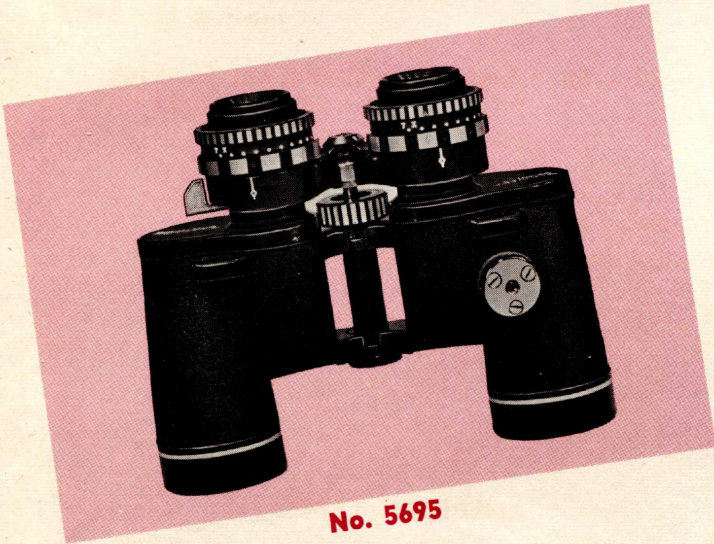
No. 5695

GENUINE ZOOM BINOCULAR

American Type

Zooms from distance to close-ups without lifting the glass from your eyes and without missing any action or detail. Precision built, fully coated, large objective lenses provide bright clear images at all powers. Right eyepiece adjustable to regulate any difference in vision between the eyes. Center focusing adjustment. Chromium trimmed eye-pieces and center wheel. Built-in socket to attach binoculars to camera tripod. Magnification range 6x to 20x. Objective lens 40mm. Fourteen binoculars in one. Can quickly be adjusted by lever to yield 15 magnifications. Field of view 279 feet at 1000 yards with 6x magnification and 152 feet at 20 power. In V-shape type black leather carrying case.

Suggested List \$81.00 ea.



No. 5695

No. 5689
VARIPOWER — ZOOM TYPE
BINOCULAR 7X - 12X
Made in Japan

Fully coated, chromium trimmed eyepieces, which can be easily adjusted to yield six different magnifications from 7x to 12x — Intermediate stops at 8x, 9x, 10x and 11x. Sharp clear image at all powers.

Large objective lens 40 mm. provides great illumination, Center Focusing Adjustment.

Special feature: socket on body to attach Binocular to tripod.

Supplied in carrying case. Field of view 270 feet at 1000 yards.

Suggested List Price \$69.95 ea.



No. 5689

HIGH QUALITY WIDE ANGLE PRISMATIC BINOCULAR 7 x 21 mm

MADE IN JAPAN



No. 4044

Small, compact prism binocular, center focusing adjustment, only 3" high, sturdy construction, easy to carry, of modern unique design, highest quality and workmanship.

Gives brighter and sharper viewing, accurate, brilliant and excellent performance.

Supplied with BaK-4, barium ground glass prisms and fully coated optic.

A quality, you can depend on.

Chromium trimmed eyepieces and centerwheel.

Wide angle, 525 ft. at 1,000 yds. distance, field of view 10°.

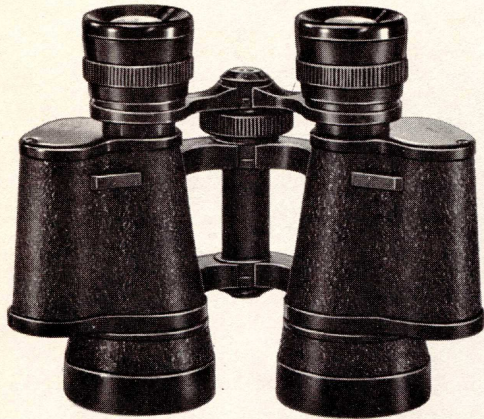
Weighs only 14.5 oz.

With de luxe velveteen lined genuine leather carrying case, with shoulder-and neck strap.

Suggested List \$59.95 ea.

• FIELD AND SPORT GLASSES •

MADE IN JAPAN



No. 280

Powerful Field Glass of prismatic style, with 7X magnification, usually found in Prismatic Binoculars only. Strong metal body, center focus, interpupillary adjustment. Coated, complete with carrying case. 7X magnification, 35 m/m objective lens. Weight 14 ozs.

Suggested List \$11.95



No. 169

No. 169—3X

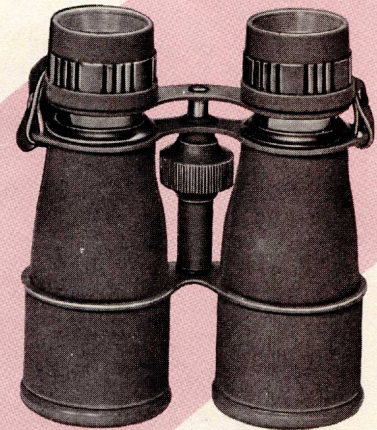
Popular 3X field glasses with 40 mm objective lens. Height 5", weight 14 ozs. In pigskin leather case.

Suggested List \$4.50

No. 171—4X

A promotional field glass 4X magnification, 40 mm objective lens, grey frosted metal body and silver trimmed eyecups. Height 5", weight 9 3/4 ozs. Black carrying case, complete with shoulder and neckstraps.

Suggested List \$4.95

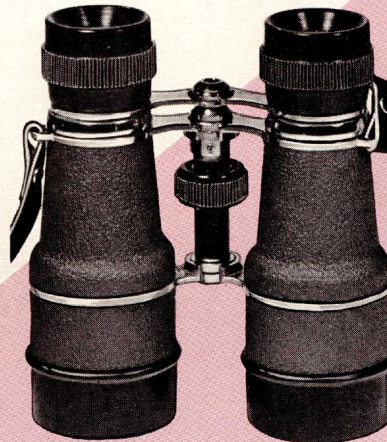


No. 171

No. 167—4.5X

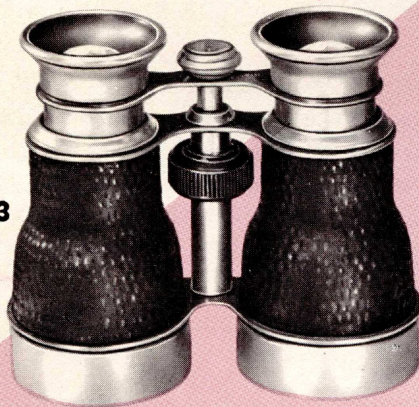
4.5X Sport Glass — 40 mm objective lenses, hinged bridge for quick interpupillary adjustment, sturdy metal body with vulcanized grey rubber covering. Highly polished nickel-plated trimming. Black eyecaps and objective caps. Weight 16 oz. Height 5 1/2". Complete with neck strap, black carrying case with shoulder strap.

Suggested List \$8.95



No. 167

No. 163

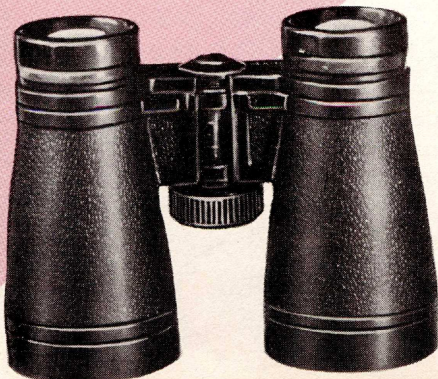


No. 163

An attractively priced all-metal Field Glass with black vinyl covering, tubing, objective and eyecups nickel plated. Objective lens 42 mm, built-in magnetic compass on nickel-plated bridge. Pigskin leather case. Magnification 2.5X. Weight 14 1/2 oz. Height closed 3 1/2".

Suggested List \$6.50

No. 162



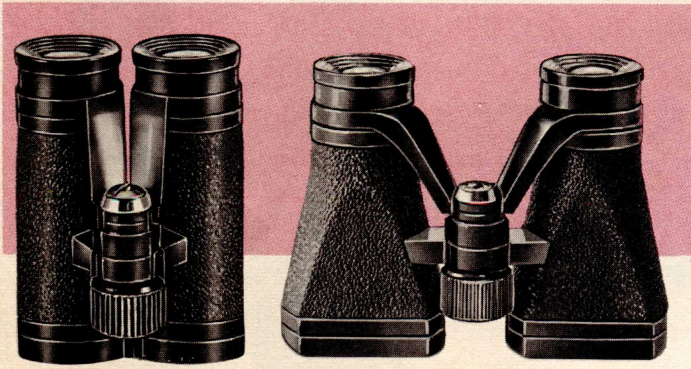
No. 162

4X Sport Glass, 40 mm objective lenses, coated, hinged bridge for quick adjustment to eye width, vulcanized rubber covering, black, weight 10 oz. Handy neck strap attached. With leather case and strap.

Suggested List \$12.95

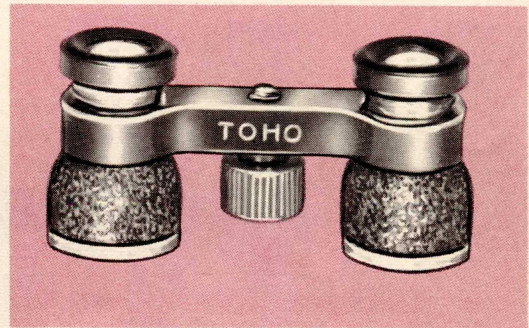
• SPORT AND OPERA GLASSES •

MADE IN JAPAN



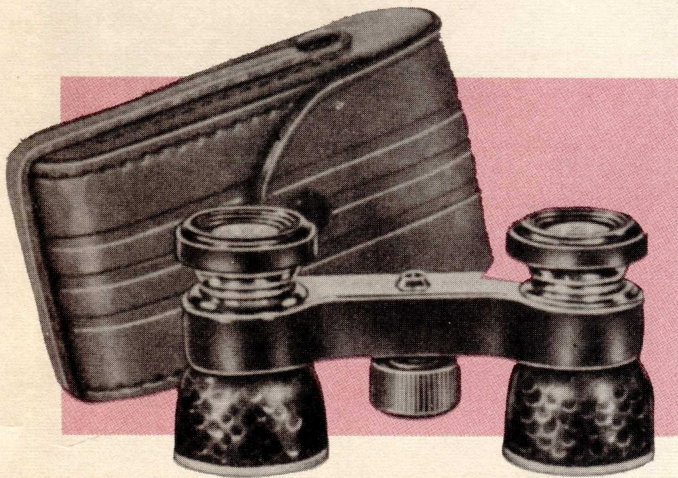
No. 159—Compact Sport Glass, achromatic, 3.5X magnification, can be folded to pocket size. Oblong objective lens 35x18 mm, coated optics, interpupillary adjustment. Height 3 1/4", weight 7 1/2 oz. In black pigskin carrying case.

Suggested List \$17.95 ea.



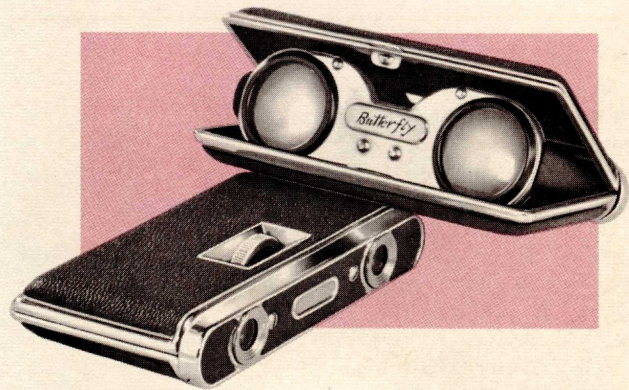
No. 176—TOHO, compact, vest pocket size opera glass 2.5X, 23 mm objective lens. Metal parts finished in chrome, vulcanized rubber covering, dainty metal mount. Supplied with genuine leather carrying case. Height 1 3/4", weight 3 oz.

Suggested List \$5.25 ea.



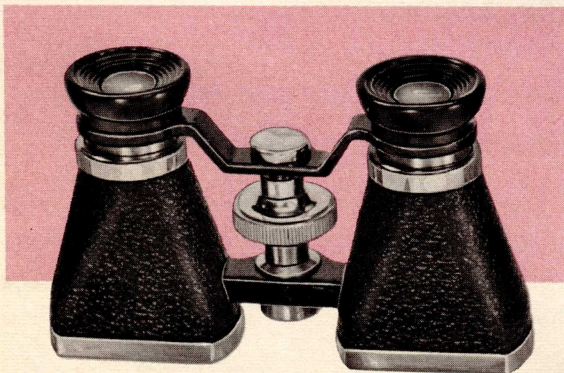
No. 222—Opera Glass, 3x25 mm, coated, achromatic, metal body, chromium plated tubing. Body covered with chicken legs skin, assorted colors. Weighs only 3 oz. Complete with leather carrying case.

Suggested List \$6.95 ea.



No. 185—BUTTERFLY. A compact 2.5x very popular Folding Opera and Sport Glass 2.5X magnification, cigarette-case size, snaps open automatically, fits in your purse or pocket. Made in Japan. Available in assorted colors, leather covered body and nickel plated trimming. Coated lenses.

Suggested List \$1.95

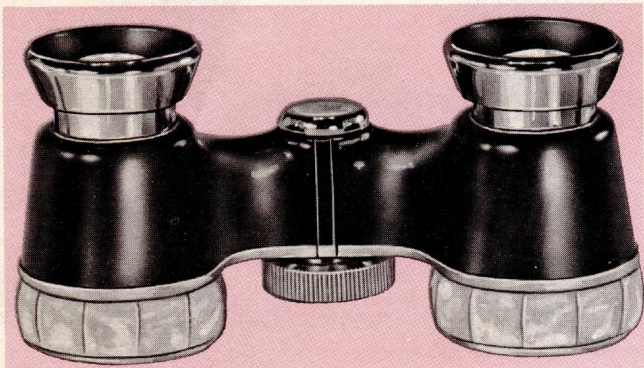


No. 291—Sport Glass, 3-Power. An admirable unique creation of top quality; oblong shape, precision, achromatic coated optic. Size of objective lens 37x19 mm. Outstanding optical performance, with great gathering power, given clear and sharp definition. Black leather covered body with brass chromium-plated trimming. Height 2 3/8", weight 5 oz.

Suggested List \$14.50 ea.

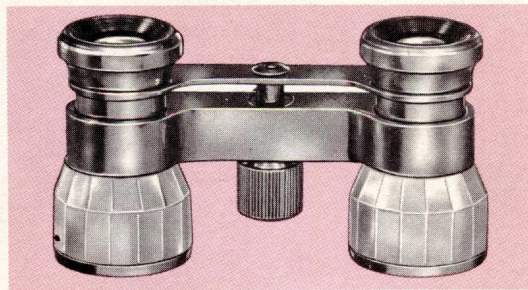
• OPERA GLASSES •

MADE IN JAPAN



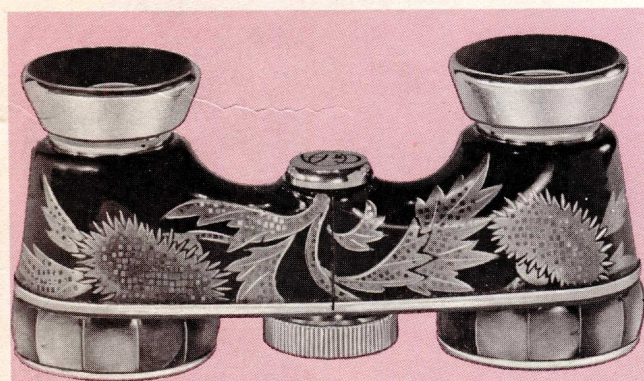
No. 218—2.5X-25 mm, black lacquered body, gold trimming, objective barrel covered with Mother of Pearl. Interpupillary adjustment, coated lenses, achromatic. Height 1 3/8", weight 6 1/2 oz. Zipper carrying case with wrist strap.

Suggested List \$18.50 ea.



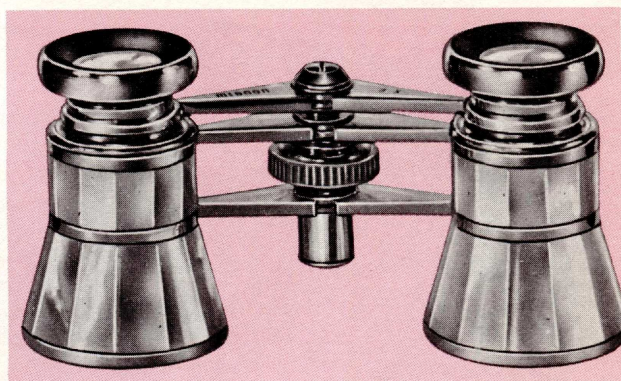
No. 228—Opera Glass 2.5X. Highly polished chromium plated body, barrels covered with Mother of Pearl. Coated optics, achromatic, objective lens. 23 mm. Height closed 1 3/4", weight 6 oz. Brocade case.

Suggested List \$12.95 ea.



No. 224—3X-25 mm, black lacquered body, gold trimming, objective barrel covered with Mother of Pearl inlaid flowery design. Interpupillary adjustment, coated lenses, achromatic. Height 1 3/8", weight 6 oz. Supplied in velvet jewelry box.

Suggested List \$29.95 ea.



No. 220—Opera Glass, 3X, objective lens 25 mm, interpupillary eye adjustment, Mother of Pearl covered body with highly polished gold-plated trimming. Coated optics. Height 2", weight 5 oz. In gold meshed case.

Suggested List \$19.95 ea.



No. 231—2.5X Opera Glass, highly polished, gold plated body, barrels covered with Mother of Pearl. Achromatic. Supplied with Mother of Pearl handle, which can be extended to a total length of 7 1/2". Objective lens: 23 mm, height 1 3/4", weight 7 3/4 oz. Furnished with gold colored case.

Suggested List \$19.95 ea.

PRISM MONOCULARS

MADE IN JAPAN

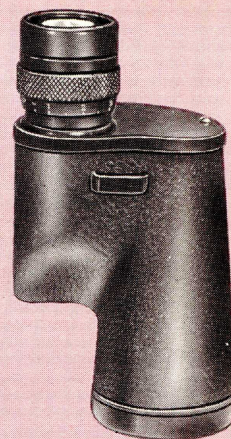
Small compact glasses, exactly one half binocular, with built-in camera tripod adapter. Serviceable for tourist, hunting and general use, internally coated. Optical capacity exactly the same as stated in the particular of the German type Prism Binoculars, complete with carrying case, shoulder and neck straps.

Model No. 4336— 6 x 30
Model No. 4331— 7 x 35
Model No. 4332— 7 x 50
Model No. 4339—10 x 50
Model No. 4335—16 x 50
Model No. 4337—20 x 50

Suggested List \$14.25 ea.
Suggested List \$16.95 ea.
Suggested List \$18.95 ea.
Suggested List \$20.95 ea.
Suggested List \$24.95 ea.
Suggested List \$28.95 ea.



No. 4332



No. 4330

No. 4330—7 x 35

American type of same quality and workmanship as the 7 x 35 Binocular (Model No. 4029) with carrying case, shoulder and neck straps.

Specification: Exit pupil 5 mm, relative brightness 25, field of view 6.5° and 367 feet at 1000 yards distance, weight 8 ozs.

Suggested List \$20.95 ea.

No. 4340—American Type VARI POWER MONOCULAR

Magnification range 7x to 12x, same quality and workmanship as the Zoom type Prism Binocular Model No. 5689 with built-in tripod socket, with carrying case, shoulder and neck straps.

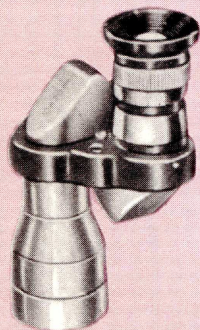
Specification: 289 feet at 1000 yards. 19 ozs.

Suggested List \$29.95 ea.

No. 4334—10 x 20

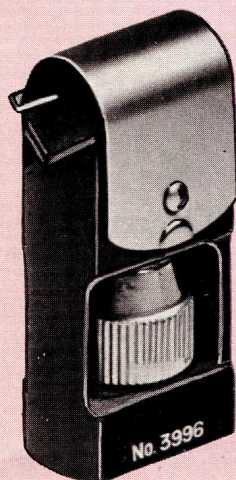
Small, compact Prism Monocular, light weight, pocket size, very handy, gives clear full 10x magnification. Satin chrome finish. Same optical capacity as stated in the particular of the 10 x 20 Prism Binocular (Model No. 4110). Complete with carrying case, shoulder and neck straps.

Suggested List \$15.50 ea.



No. 4334

No. 4340



No. 3996

BINOCULAR CLAMP

Made in Japan

Will hold any size or make of binocular rigidly to any camera tripod. Has standard camera thread. Fits the centerpost of the binocular and does not interfere with returning the binocular to its case. Especially adapted for holding high power glasses, used for target spotting or distant spots.

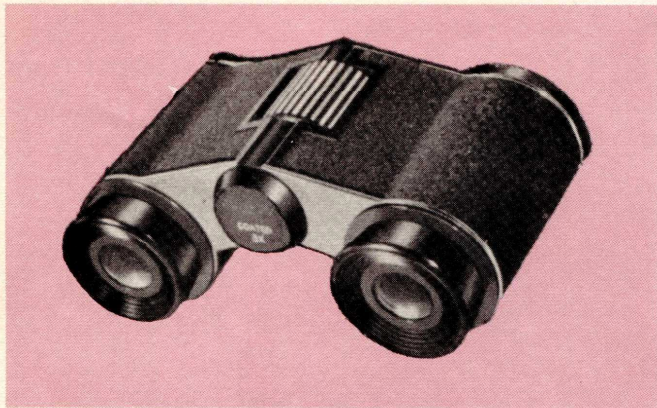
Suggested List \$2.75 ea.



Black pigskin leather case, plush lined, with white stitching, of V-shape type, snap button style, equipped with shoulder strap.

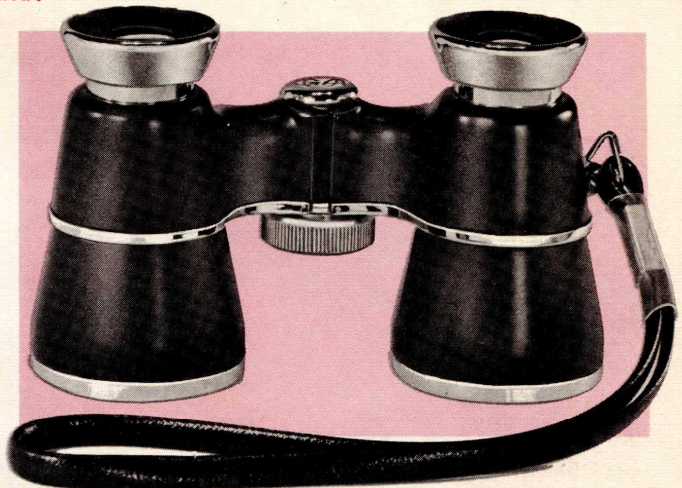
• SPORT AND OPERA GLASSES •

MADE IN JAPAN



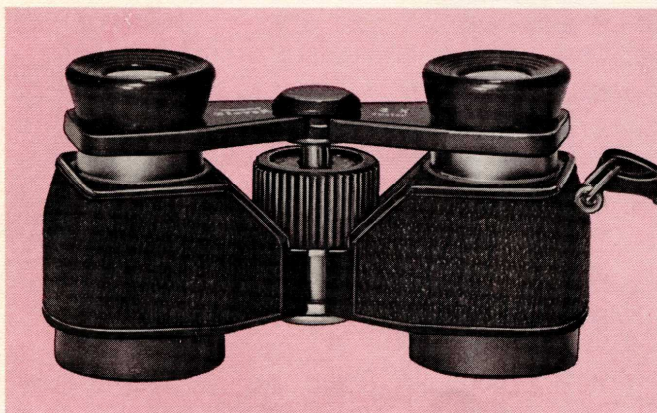
No. 216—3X Opera and Sport Glass, coated, achromatic optic, interpupillary adjustment, built-in focusing device, black leather covered body, objective lens 26 mm. Height 2 5/8", weight 7 oz. Complete in black pigskin leather case.

Suggested List \$19.95 ea.



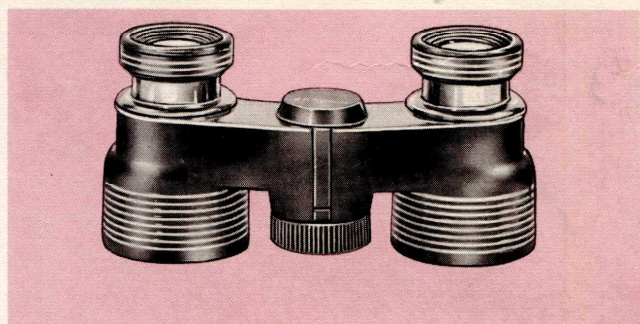
No. 244—4x30 mm Sport Glass, achromatic, smooth black lacquered body, chromium trimmed, interpupillary adjustment, coated, hand lanyard for added comfort. Height 2 1/2", weight 8 1/2 oz. Zipper carrying case.

Suggested List \$21.95 ea.



No. 173—A very handy compact opera glass with wrist strap, grey color covered square shaped body, bridge, objective and eyecaps also in grey color. Objective lens 26 mm. 3X magnification, coated, interpupillary adjustment, height 1 7/8", weight 6 1/2 oz. Carrying case with wrist strap.

Suggested List \$17.50 ea.



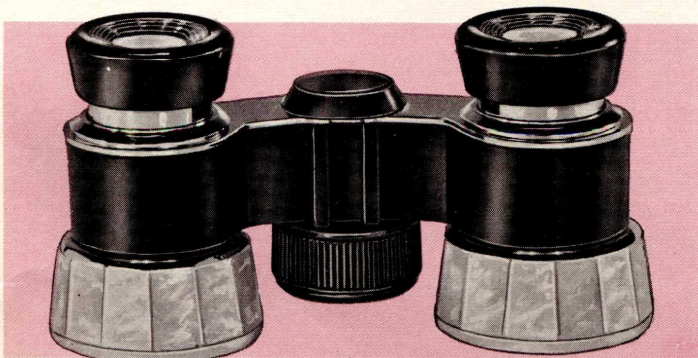
No. 238/240—Opera and Sport Glass, 2.5X, of superior performance. High grade optical system, hinged bridge for interpupillary adjustment. Objective lens 27 mm, large field of view, brilliant image. Height 1 3/8", weight 5 oz. Supplied with attractive zipper leather case, in matching color.

No. 238—Black with Mother of Pearl trimming.

Suggested List \$15.50 ea.

No. 240—Black - maroon - blue - assorted.

Suggested List \$14.50 ea.



No. 242—3X-28 mm. Black lacquered body, gold trimming, objective barrel with Mother of Pearl. Interpupillary adjustment, coated lenses, achromatic. Height 2", weight 6 1/2 oz. Zipper carrying case.

Suggested List \$17.95 ea.



No. 4332

PRISM MONOCULARS

MADE IN JAPAN

Small compact glasses, exactly one half binocular, with built-in camera tripod adapter. Serviceable for tourist, hunting and general use, internally coated. Optical capacity exactly the same as stated in the particular of the German type Prism Binoculars, complete with carrying case, shoulder and neck straps.

Model No. 4336— 6 x 30 **Suggested List \$14.25 ea.**
Model No. 4331— 7 x 35 **Suggested List \$16.95 ea.**
Model No. 4332— 7 x 50 **Suggested List \$18.95 ea.**
Model No. 4339—10 x 50 **Suggested List \$20.95 ea.**
Model No. 4335—16 x 50 **Suggested List \$24.95 ea.**
Model No. 4337—20 x 50 **Suggested List \$28.95 ea.**



No. 4330

No. 4330—7 x 35

American type of same quality and workmanship as the 7 x 35 Binocular (Model No. 4029) with carrying case, shoulder and neck straps.

Specification: Exit pupil 5 mm, relative brightness 25, field of view 6.5° and 367 feet at 1000 yards distance, weight 8 ozs.

Suggested List \$20.95 ea.

No. 4340—American Type VARI POWER MONOCULAR

Magnification range 7x to 12x, same quality and workmanship as the Zoom type Prism Binocular Model No. 5689 with built-in tripod socket, with carrying case, shoulder and neck straps.

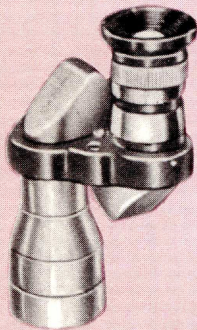
Specification: 289 feet at 1000 yards. 19 ozs.

Suggested List \$29.95 ea.

No. 4334—10 x 20

Small, compact Prism Monocular, light weight, pocket size, very handy, gives clear full 10x magnification. Satin chrome finish. Same optical capacity as stated in the particular of the 10 x 20 Prism Binocular (Model No. 4110). Complete with carrying case, shoulder and neck straps.

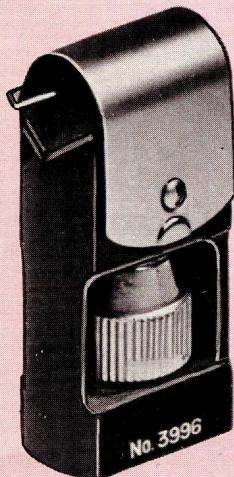
Suggested List \$15.50 ea.



No. 4334



No. 4340



No. 3996

BINOCULAR CLAMP

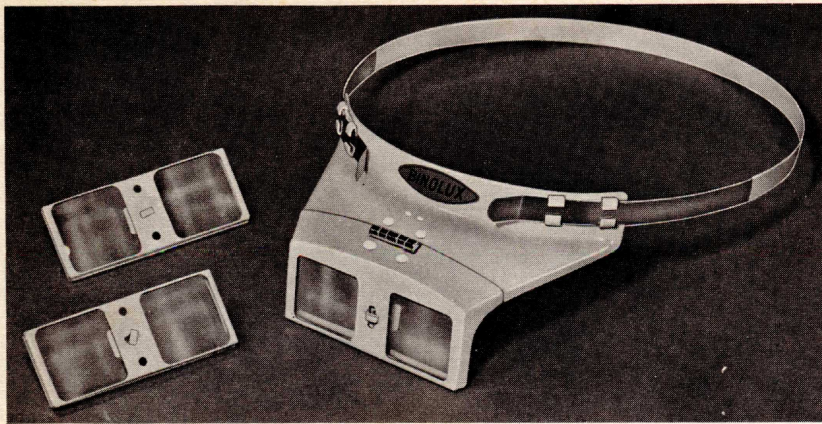
Made in Japan

Will hold any size or make of binocular rigidly to any camera tripod. Has standard camera thread. Fits the centerpost of the binocular and does not interfere with returning the binocular to its case. Especially adapted for holding high power glasses, used for target spotting or distant spots.

Suggested List \$2.75 ea.



Black pigskin leather case, plush lined, with white stitching, of V-shape type, snap button style, equipped with shoulder strap.



No. 785

"BINOLUX" MAGNI-VISOR

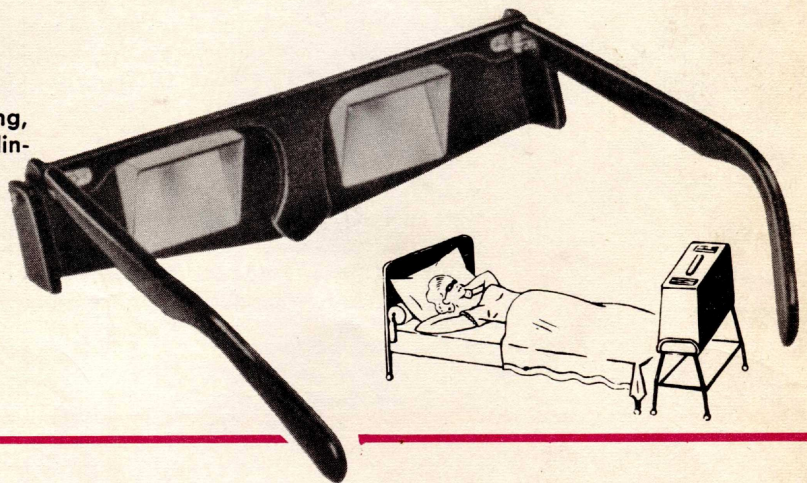
MADE IN JAPAN

A new type of Binocular magnifier for all industries where precision work and great accuracy are required. Leaves both hands free for work. Fully adjustable soft metal band, to bring this Magni-Visor in a natural position. Supplied with three optical ground and polished lenses, mounted in an interchangeable metal frame, giving a magnification of 2x, 2.5x and 3x. Has third dimensional vision. Without removing Magni-Visor normal vision can be resumed easily by lifting the front part, holding the frame with lenses.

Suggested List \$9.95

No. 2015—BED SPECTACLE

This Bed Spectacle enables you to enjoy reading, watching television at the most comfortable reclining position — Can also be worn over regular eyeglasses. The prism-lenses with which the adjustments of the vision to the object you like to see is made, are produced of selected optical glass. Made in Japan.



COMPASS INSTRUMENT & OPTICAL CO. INC.

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