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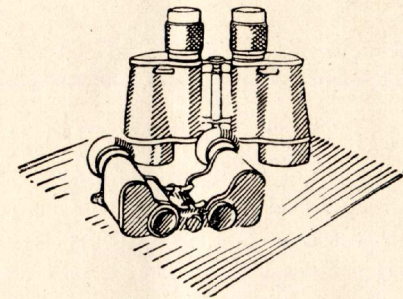


# Leiss

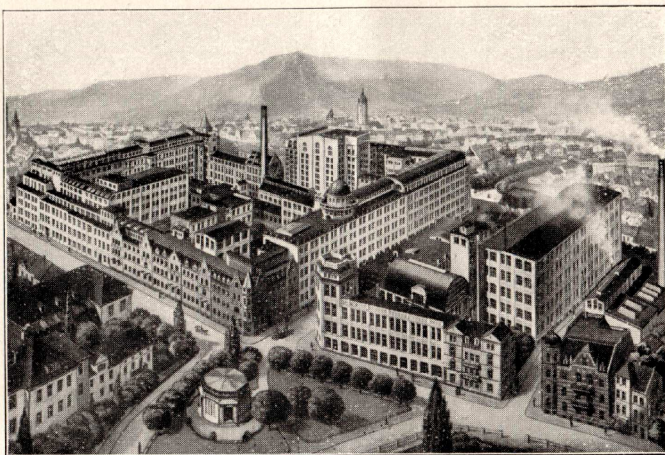
Field Glasses

T260 e

ZEISS  
FIELD GLASSES



CARL ZEISS / JENA



## CARL ZEISS / JENA 1923

BRANCHES at BERLIN,

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For Prices see Price Slip.

Zeiss Field Glasses may be obtained at original prices from dealers in  
optical goods.

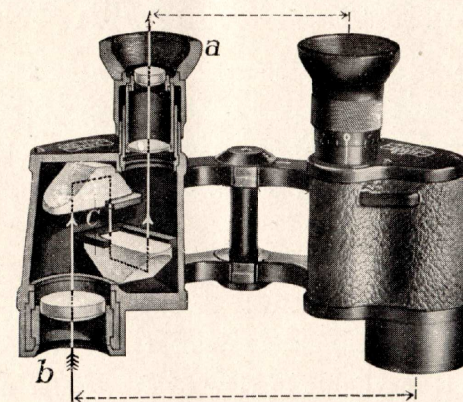
For the exact identification of an instrument the respective codeword  
should be quoted.

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## PREFACE

THE invention of the principle of the reversing prism and its application to the telescope, which brought about the evolution of the modern field glass, is the indisputable achievement of Abbe and the Zeiss Works, at the head of



Trace of the rays through a Zeiss Field Glass  
a) Eyepiece b) Objective c) Prism

which he stood. It matters little that the priority of the idea has since been contested and traced to other sources, notably to PORRO. Abbe's title to the whole credit for the invention is not thereby challenged as all previous attempts to embody

the theoretical principle proved so entirely unsuccessful that the very idea had sunk into oblivion.

The successful application of this principle enabled us incidentally to endow the field glasses with a new and valuable quality, in that the prisms furnished a means of setting the objectives farther apart than the eyes. The effect thereby obtained is comparable to that which would result from an increase of the distance between the eyes. The enhanced stereoscopic effect obtained by this means is such that even distant objects stand out in solid contours.

### THE HIGH OPTICAL PERFORMANCE

of the prism field glass was made possible by the use of special optical glass made by the Jena Glass Works of Schott & Gen. This glass is endowed with such a high degree of transparency that there is no appreciable falling off in the intensity of the transmitted light.

The loss of light due to reflection at the successive prism and lens surfaces is somewhat greater in the prism glasses than with the ordinary glasses of the Galilean type without prisms. This is inevitable in view of the greater number of surfaces which the light has to traverse within the prism glasses. This loss is, however, of no consequence in comparison with the greatly increased size of the field of view and the much more even distribution of the light.

These two significant qualities were sufficiently striking from the very first to enable the Zeiss Field Glasses to everywhere supersede the older glasses without prisms.

### WIDE-ANGLE PRISM BINOCULARS

In the best types of field glasses as hitherto made the field of view as obtained through the eyepieces embraced an angle of 40° to 50°. Recently a new series of wide-angle prism glasses has been added in which this angle has been extended to 70°. This result has been achieved by new patented forms of eyepieces computed by Dr. H. Erfle, of the Zeiss Works. The field of view of the prism glasses, remarkably large as it already was, has thereby been still further extended. There is no doubt that this extension of the field of view signifies a further notable advance in the construction of the modern field glass. In daylight, and still more so in failing light, such a large field of view is a valuable asset and a great convenience as it enables the eye to locate an object much more quickly and renders it easy to follow and watch a swiftly moving object. We need in this connection only mention the greater ease with which deer on the run, the rapidly shifting scenes of the race course, boat racing events, and indeed any form of sport can be followed.

### THE ADVANTAGES OF THE ZEISS FIELD GLASSES

The Zeiss Field Glasses are now so well known for their superb defining qualities, their great light transmitting capacity, their large field of view, their mechanical excellence, and their pleasing and handy form and elegant finish that it would seem unnecessary do dwell upon these many features,



all of which have helped to build up the reputation possessed by the Zeiss Field Glasses. In the following pages we propose to briefly describe under a separate heading for each model its special features together with the range of uses for which it is best adapted.

## HINTS ON THE CHOICE OF A ZEISS FIELD GLASS

It is impossible to design an allround field glass which shall be equally well adapted for every imaginable purpose. The requirements of hunters, tourists, and theatre goers are fundamentally different. Thus, for the theatre a magnification of  $3\times$ , as obtained with the *Zeiss Teleater*, is both ample and best, though in very large theatres when seated very far away from the stage it may be occasionally desirable to use a more powerful glass. For out of door use it is imperative that the magnifying power should exceed  $3\times$ .

### BY MAGNIFICATION

we understand the ratio between the size of an object as it appears when seen through the glasses and its size as seen with the unaided eyes. This will be easily understood by reference to the plates on pages 12 to 14, which show the fields of view of the various models. These plates demonstrate the effect of magnification, though naturally the photographic reproductions give a far from adequate idea of the brilliant picture as actually presented by the glasses. It is not usual to choose a higher magnifying power than is required for a given purpose. It should be remembered that the slightest tremor of

the hands is transmitted to the magnified image and becomes more and more pronounced in a measure as the magnification rises. It is therefore not advisable to go beyond a magnifying power of  $8\times$  so long as the glasses are intended to be held in the unsupported hands. Some practised hands are able to hold steadily a field glass of a power of  $10\times$ , but when this power is exceeded it becomes in all cases necessary to rest the arms on supports or to mount the glasses on a stand or screw them to a support, if any advantage is to be derived from the higher magnification.

A high magnification is not only useful for recognising small objects from a great distance, but also determines largely the condition of lighting. Apart from the light-transmitting power of a glass, its magnification has a marked influence upon the ease with which objects can be seen in failing light. Details which the unaided eye readily distinguishes in full daylight can only be recognised in a declining light by reason of the magnifying power of the field glass, provided always that the object has been located. It is in such cases as these that the new Zeiss Wide-angle Field Glasses prove doubly useful thanks to their high magnification of 8 diameters and their very large field of view, which is equal in size to that formerly obtainable only with the lower power of  $6\times$ .

### THE LIGHT-TRANSMITTING CAPACITY

should naturally be as high as possible, especially in the case of so-called "night glasses". Apart from the degree of transparency of the field-glass the light transmitting capacity is

Continued page 10



# WEIGHTS AND OPTICAL PARTICULARS OF THE ZEISS FIELD GLASSES

For prices see Price Slip

Page	Description	In stiff black leather case with leather straps Codeword	In stiff brown leather case with leather straps Codeword	In soft leather pouch Codeword	Linear Magnification	Effective Diameter of the Objectives		Exit Pupil mm.	Light Transmitting Power	Field of View		Weight		
						mm.	inch.			in angular measure	in terms of linear measure at a distance of 1000 yds. yds.	of Field Glass oz.	of hard leather case with straps oz.	of soft leather pouch oz.
<b>FIELD GLASSES WITH INDEPENDENT FOCUSING EYEPIECES</b>														
16	Small travelling glass . . . . .	Turol	Turolba	Turolwe	4X	20	0.79	5	25	10.30	182	9 1/8	7 3/8	3
17	Folding binocular . . . . .	Stenor	—	Stenorwe	5X	12	0.47	2.4	5.76	8.30	145	7 1/2	2 1/2	2 1/2
18	Light tourist glass . . . . .	Turex	Turexba	Turexwe	6X	21	0.83	3.5	12.25	8.50	150	10 1/8	7 3/4	3 5/8
19	Universal glass . . . . .	Telex	Telexba	Telexwe	6X	24	0.94	4	16	8.50	150	15 1/8	10 1/8	5 1/8
20	Hunting and marine glass . . . . .	Silvamar	Silvamarba	Silvamarwe	6X	30	1.18	5	25	8.50	150	21	12 5/8	5 1/8
21	Marine or night glass . . . . .	Binocular	Binocularba	—	7X	50	1.97	7.1	50.4	7.30	128	38 5/8	22 5/8	—
22	Sporting and travelling glass . . . . .	Turact	Turactba	Turactwe	8X	24	0.94	3	9	6.30	110	13 5/8	11 5/8	4 5/8
23	Wide-angle, for travelling . . . . .	Delturis	Delturisba	Delturiswe	8X	24	0.94	3	9	8.750	154	17 1/2	9 7/8	5 1/8
24	Wide-angle, for universal use . . . . .	Deltrentis	Deltrentisba	Deltrentiswe	8X	30	1.18	3.75	14.06	8.50	150	22 5/8	12 5/8	5 1/8
25	Wide-angle, for races, marine and hunting . . . . .	Delactis	Delactisba	—	8X	40	1.57	5	25	8.750	154	38 1/4	19 1/8	—
26	Powerful marine glass . . . . .	Dekar	—	—	10X	50	1.97	5	25	50	87	41 5/8	20 7/8	—
27	High power glass . . . . .	Telonar	Telonarba	—	12X	40	1.57	3.3	10.9	4.20	73	35 1/8	18 5/8	—
28	High power glass . . . . .	Telsexor	Telsexorba	—	16X	40	1.57	2.5	6.25	3.160	55	33 3/8	18 5/8	—
29	High power glass . . . . .	Delfort	Delfortba	—	18X	50	1.97	2.8	7.84	2.80	49	36 1/2	23 3/8	—
<b>TWIN FOCUSING FIELD GLASSES</b>														
42	Operaglass "Teleater" . . . . .	(see page 42)			3X	13.5	0.53	4.5	20.25	13.70	24 yds. on 100 yds.	7 3/8	4 1/2	2 3/4
32	Theatre and travelling glass . . . . .	Turolem	Turolemba	Turolemwe	4X	20	0.79	5	25	10.30	182	10 1/8	7 3/8	3
33	Small, light tourists glass . . . . .	Teletur	Teleturba	Teleturwe	6X	15	0.59	2.5	6.25	7.10	123	7 3/8	5 1/8	2 5/8
34	Tourists glass . . . . .	Turexem	Turexemba	Turexemwe	6X	21	0.83	3.5	12.25	8.50	150	11 5/8	7 3/4	3 5/8
35	Universal glass . . . . .	Telexem	Telexemba	Telexemwe	6X	24	0.94	4	16	8.50	150	17 1/8	10 1/8	5 1/8
36	Hunting and marine glass . . . . .	Silvarem	Silvaremba	Silvaremwe	6X	30	1.18	5	25	8.50	150	23 1/8	12 5/8	5 1/8
37	Sporting and travelling glass . . . . .	Turactem	Turactemba	Turactemwe	8X	24	0.94	3	9	6.30	110	15 3/8	11 5/8	4 1/2
38	Wide-angle, for travelling . . . . .	Deltursem	Deltursemba	Deltursemwe	8X	24	0.94	3	9	8.750	154	19 5/8	9 7/8	5 1/8
39	Wide-angle, for universal use . . . . .	Deltrintem	Deltrintemba	Deltrintemwe	8X	30	1.18	3.75	14.06	8.50	150	24 1/2	12 5/8	5 1/8
<b>MONOCULAR FIELD GLASSES</b>														
40	Universal glass . . . . .	Telexmo	—	Telexmopo	6X	24	0.94	4	16	8.50	150	7 3/8	7	2 1/2
40	Hunting and marine glass . . . . .	Simpstv	—	Simpstvpo	6X	30	1.18	5	25	8.50	150	10 3/4	8 3/8	3 1/8
40	Night glass . . . . .	Binocularmo	—	—	7X	50	1.97	7.1	50.4	5.70	100	17 3/4	9 7/8	—
40	Sporting and travelling glass . . . . .	Simplact	—	Simplactpo	8X	24	0.94	3	9	6.30	110	9 1/8	7 3/8	3
40	Wide-angle, for travelling . . . . .	Delturmo	—	Delturmopo	8X	24	0.94	3	9	8.750	154	8 3/4	7 7/8	3 1/8
40	Wide-angle, for universal use . . . . .	Deltrintmo	—	Deltrintmopo	8X	30	1.18	3.75	14.06	8.50	150	10 1/2	8 1/4	3 1/8
40	Wide-angle hunting and marine glass . . . . .	Delactimo	—	Delactimopo	8X	40	1.57	5	25	8.750	154	16 1/2	10 3/4	4
40	Powerful marine glass . . . . .	Dekarmo	—	—	10X	50	1.97	5	25	50	87	19 5/8	11 3/8	—
40	High power glass . . . . .	Telonarmo	—	Telonarmopo	12X	40	1.57	3.3	10.9	4.20	73	17 1/8	10 3/4	4
40	High power glass . . . . .	Telsexormo	—	Telsexormopo	16X	40	1.57	2.5	6.25	3.160	55	15 1/8	10 3/4	4
40	High power glass . . . . .	Delfortmo	—	—	18X	50	1.97	2.8	7.84	2.80	49	20 7/8	13 5/8	—

governed by the diameter of its exit pupil. By a generally accepted convention the square of this diameter expressed in millimetres supplies a geometric measure of the light transmitting capacity. The exit pupil is the small circle of light which is seen when the field glass is held against the clear sky and the eye looks through it at a distance of about 10 inches from the eyepiece. — With any increase of the magnification and the exit pupil the object glasses must likewise be increased in size. Obviously, there is a corresponding increase in the weight of the glasses. For this reason no attempt has been made to increase the size of the exit pupil of the 8× field glass beyond 5 mm., though for use in special cases where the question of weight does not enter into consideration a field glass with a magnifying power of 8× has been made at the Zeiss Works with an exit pupil of 7.5 mm.

### THE FIELD OF VIEW

of a field glass may be found by dividing the angular measure of the field of the eyepiece — i. e. 40 to 50°, or 70° as the case may be — by the magnifying power of the field glass. In addition to the angular measure so obtained the size of the field of view is given for each field glass in terms of linear measure, viz in terms of the width of the objects comprised in the view at a distance of 1000 yards. The plates on pages 12 and 13 show the field of view of the different Zeiss Field Glasses and incidentally demonstrate their striking superiority in this respect over the Galilean type of binoculars without prisms. The greatly extended field of view of the Wide-angle field glasses is shown on page 14.

### THE EXTERNAL FORM

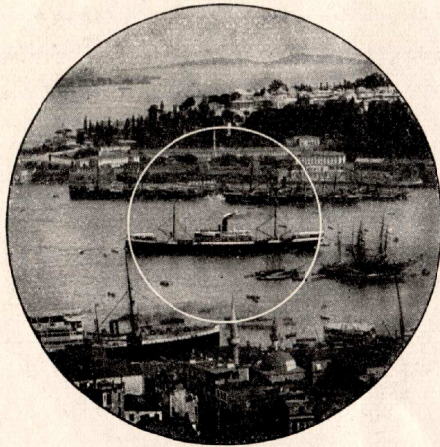
of the Zeiss Field Glasses in the main continues to conform to the original type of Zeiss prism glass with distended objectives. Only the 3× Zeiss Theatre Glass TELEATER and the 6× Tourist Glass TELETUR have their objectives placed closer together than their eyepieces. The object of the contracted design is to obtain exceptionally small and compact models. The "4×20" and the "6×21"\*) models, on the other hand, have their objectives and eyepieces practically the same distance apart. The form of all these glasses therefore differs somewhat from the standard pattern of the Zeiss field glasses. They are for this reason shown in this catalogue in two positions.

Regarding the use of field glasses for viewing near objects as well as their conversion into telescopic magnifiers and telescopic microscopes the reader is referred to page 47. These novel applications of the principle of the prism telescope, which have likewise emanated from the Zeiss Works, have rendered the prism glasses available for many important uses in science, industry and art, as well as for educational purposes.

\*) This notation signifies the product of the magnifying power into the diameter of the objective and is generally used for identifying field glasses by their optical features. When ordering, however, it will be found more convenient and less liable to error to quote the codeword appended in this catalogue to the specification of each field glass.

PLATE SHOWING THE FIELDS  
OF VIEW ENCOMPASSED BY THE  
VARIOUS TYPES OF FIELD GLASSES

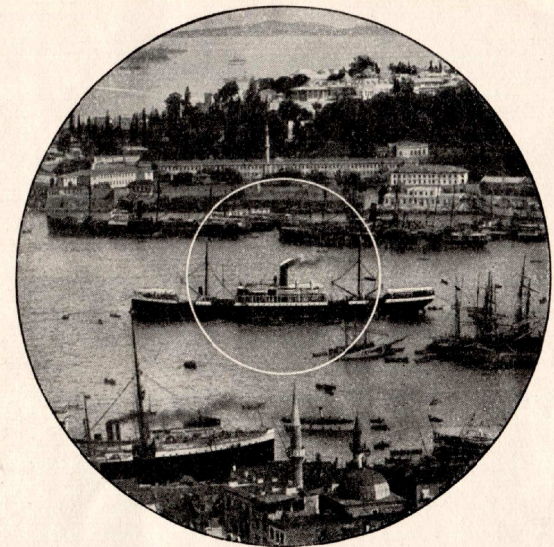
The area within the small inscribed circle represents the field of view of a Galilean glass of equivalent magnification.  
The large circular area represents the field of view of the respective Zeiss Field Glasses as it appears to the eye.  
The field of view of the new Zeiss Wide-angle Field Glasses is shown on the next page.



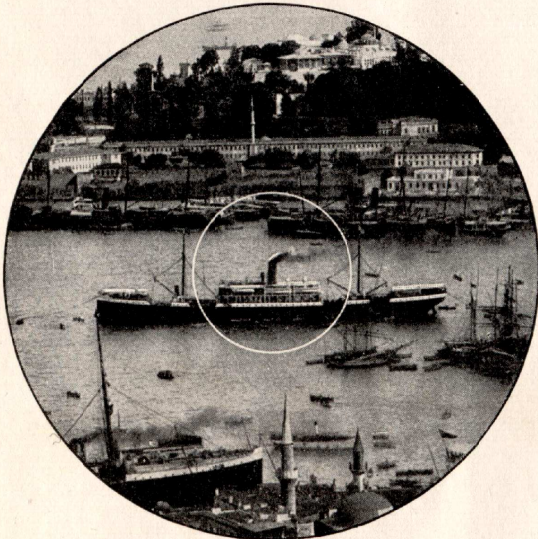
Zeiss Field Glasses "Turol" and "Tuolem"  
Magnifying 4 times



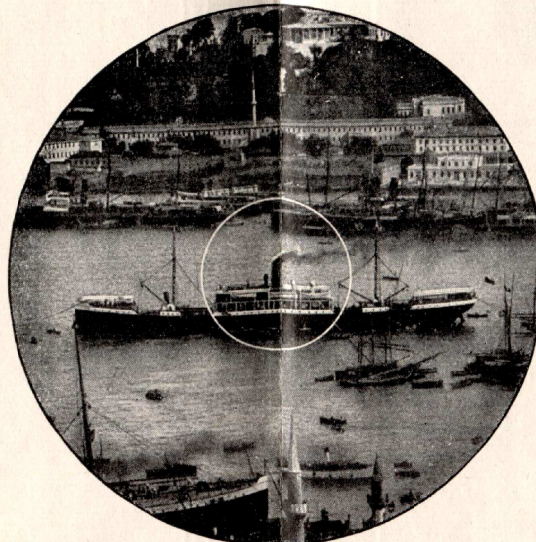
View of Constantinople as it appears to the naked eye



Zeiss Hunting and Marine Glasses "Silvamar" and  
"Silvarem" — Magnifying 6 times



Zeiss „Binocular“ Field Glasses  
Magnifying 7 times



Zeiss Field Glasses "Turact" and "Turactem"  
Magnifying 8 times



Zeiss "Telonar" Field Glasses  
Magnifying 12 times





Small, inner circle (white):

The field of view of the ordinary non-prismatic glass, magnifying 8 times.

Middle circle (black):

The field of view of a prism field glass, magnifying 8 times.

The whole: The field of view of the Zeiss Wide-angle Field Glasses, magnifying 8 times.

## ZEISS WIDE-ANGLE FIELD GLASSES

The Zeiss Wide-angle Field Glasses add to the field of view of the 8 power prism field glasses an area almost as large as the whole field hitherto obtained.

The Zeiss Wide-angle Field Glasses combine with their powerful magnification of 8 diameters a field of view as large as hitherto obtained with the best 6 power prism glasses only.

See also Fields of View shown on pages 12 and 13.



## FIELD GLASSES WITH INDEPENDENT FOCUSING EYEPICES

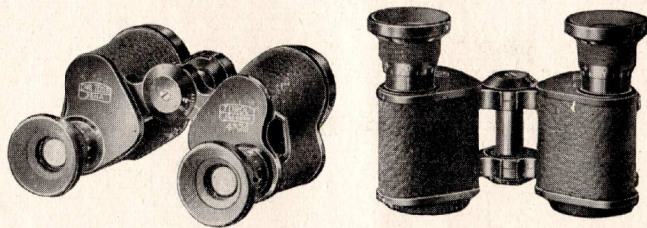
These field glasses are exceedingly convenient in practical use. They can be rapidly set to the user's sight, which frequently differs in the two eyes, by the aid of the scale of diopters and index with which the eyepieces are provided. There is then no need to change the adjustment after the glasses have been once sharply focussed for a distant object.

The independent focussing eyepieces admit of the bodies of the telescopes being enclosed in a perfectly dustproof and moistureproof casing, which renders them adapted for use under any climatic conditions, notably in the tropics.

# TUROL

Magnifying 4 times

Small Travelling Glass



1/3 Full Size

Great light transmitting power. Large field of view  
Small weight and bulk

- In black stiff leather case with shoulder strap Codeword: Turol
- In brown stiff leather case with shoulder strap Codeword: Turolba
- In suède leather pouch . . . . . Codeword: Turolwe

For Prices see Price Slip

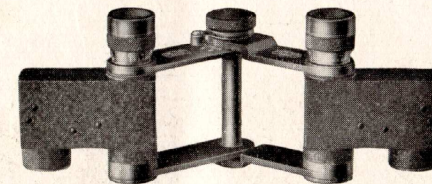
Magnification	Effective Diameter of Objective		Diameter of Exit Pupil	Light Transmitting Power	Field of View in terms of yds. at a distance of 1000 yds.		Weight		
	mm.	in.			in angular measure	in terms of 1000 yds.	of Field Glass	of Hard leather Case	of Soft leather Pouch
4x	20	0.79	5	25	10.3°	182	9 1/8	7 3/8	3



# STENOR

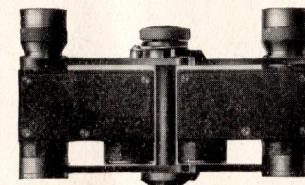
Magnification 5 times

Vest Pocket Binocular



1/3 Full Size

Folds flat to fit into the pocket or handbag



Folded

1/3 Full Size

- In black stiff leather case . . . . . Codeword: Stenor
- In suède leather pouch . . . . . Codeword: Stenorwe

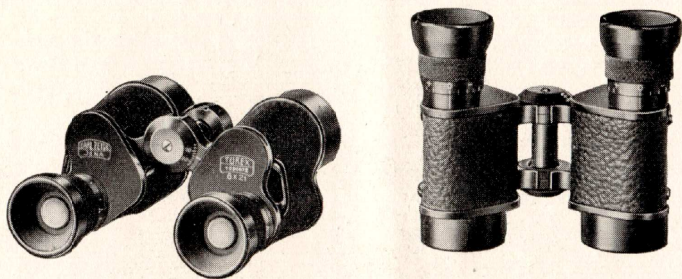
For Prices see Price Slip

Magnification	Effective Diameter of Objective		Diameter of Exit Pupil	Light Transmitting Power	Field of View in terms of yds. at a distance of 1000 yds.		Weight		
	mm.	in.			in angular measure	in terms of 1000 yds.	of Field Glass	of Hard leather Case	of Soft leather Pouch
5x	12	0.47	2.4	5.76	8.3°	145	7 1/2	2 1/2	2 1/2

# TUREX

Magnifying 6 times

Light Tourist Glass



1/3 Full Size

Small bulk and weight,  
combined with fine optical qualities

- In black stiff leather case with shoulder strap Codeword: Turex
- In brown stiff leather case with shoulder strap Codeword: Turexba
- In suède leather pouch . . . . . Codeword: Turexwe

For Prices see Price Slip

Magnification	Effective Diameter of Objective		Diameter of Exit Pupil	Light Transmitting Power	Field of View in terms of yds. at a distance of 1000 yds.		Weight		
	mm.	in.			in angular measure	of yds.	of 1000 yds.	of Field Glass	of Hard leather Case
6x	21	0.83	3.5	12.25	8.5°	150	10 1/8	7 3/4	3 5/8

# TELEX

Magnifying 6 times

Universal Glass for travelling and for use in the country



1/3 Full Size

Small weight  
Good light transmitting power

- In black stiff leather case with shoulder strap Codeword: Telex
- In brown stiff leather case with shoulder strap Codeword: Telexba
- In suède leather pouch . . . . . Codeword: Telexwe

For Prices see Price Slip

Magnification	Effective Diameter of Objective		Diameter of Exit Pupil	Light Transmitting Power	Field of View in terms of yds. at a distance of 1000 yds.		Weight		
	mm.	in.			in angular measure	of yds.	of 1000 yds.	of Field Glass	of Hard leather Case
6x	24	0.94	4	16	8.5°	150	15 1/8	10 1/8	5 1/8



# SILVAMAR

Magnifying 6 times

Hunting and Marine Glass



1/3 Full Size

Great light transmitting power. Extensive field of view  
Special glass for use in failing light

In black stiff leather case with shoulder strap Codeword: Silvamar  
In brown stiff leather case with shoulder strap Codeword: Silvamarba  
In suède leather pouch . . . . . Codeword: Silvamarwe

For Prices see Price Slip

Magnification	Effective Diameter of Objective		Diameter of Exit Pupil	Light Transmitting Power	Field of View		Weight		
	mm.	in.			in angular measure	in terms of yds. at a distance of 1000 yds.	of Field Glass	of Hard leather Case	of Soft leather Pouch
6×	30	1.18	5	25	8.5°	150	21	12 <sup>5</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>8</sub>

# BINOCTAR

Magnifying 7 times

Marine and Night Glass



1/3 Full Size

Prism binocular of highest light transmitting power

In black stiff leather case with shoulder strap Codeword: Binoctar  
In brown stiff leather case with shoulder strap Codeword: Binoctarba

For Prices see Price Slip

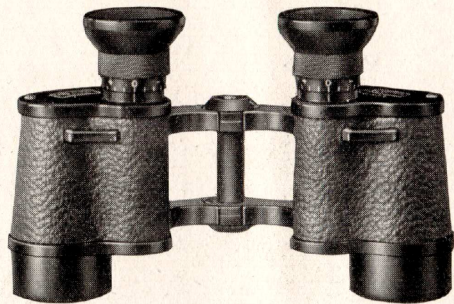
Magnification	Effective Diameter of Objective		Diameter of Exit Pupil	Light Transmitting Power	Field of View		Weight	
	mm.	in.			in angular measure	in terms of yds. at a distance of 1000 yds.	of Field Glass	of Hard leather Case
7×	50	1.97	7.1	50.4	7.3°	128	38 <sup>5</sup> / <sub>8</sub>	22 <sup>5</sup> / <sub>8</sub>



# TURACT

Magnifying 8 times

Sporting and Travelling Glass



1/3 Full Size

A small sized high power glass

- In black stiff leather case with shoulder strap Codeword: Turact
- In brown stiff leather case with shoulder strap Codeword: Turactba
- In suède leather pouch . . . . . Codeword: Turactwe

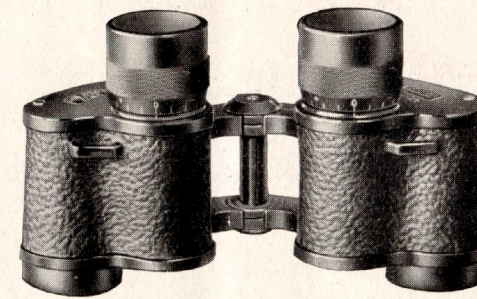
For Prices see Price Slip

Magnification	Effective Diameter of Objective		Diameter of Exit Pupil	Light Transmitting Power	Field of View in terms of yds. at a distance of 1000 yds.		Weight		
	mm.	in.			in angular measure	of yds.	of Field Glass	of Hard leather Case	of Soft leather Pouch
8x	24	0.94	3	9	6.3 <sup>0</sup>	110	13 <sup>5</sup> / <sub>8</sub>	11 <sup>5</sup> / <sub>8</sub>	4 <sup>5</sup> / <sub>8</sub>

# DELTURIS

Magnifying 8 times

Wide-angle Binocular



1/3 Full Size

A compact glass with extremely large field of view

- In black stiff leather case with shoulder strap Codeword: Delturis
- In brown stiff leather case with shoulder strap Codeword: Delturisba
- In soft leather pouch . . . . . Codeword: Delturiswe

For Prices see Price Slip

Magnification	Effective Diameter of Objective		Diameter of Exit Pupil	Light Transmitting Power	Field of View in terms of yds. at a distance of 1000 yds.		Weight		
	mm.	in.			in angular measure	of yds.	of Field Glass	of Hard leather Case	of Soft leather Pouch
8x	24	0.94	3	9	8.75 <sup>0</sup>	154	17 <sup>1</sup> / <sub>2</sub>	9 <sup>7</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>8</sub>



# DELTRENTIS

Magnifying 8 times

Wide-angle Binocular



1/3 Full Size

An excellent high power glass for race, travel and hunting  
Good light transmitting power. Extremely large field of view

- In black stiff leather case with shoulder strap . . . . . Codeword: Deltrentis
- In brown stiff leather case with shoulder strap . . . . . Codeword: Deltrentisba
- In suède leather pouch. . . . . Codeword: Deltrentiswe

For Prices see Price Slip

Magnification	Effective Diameter of Objective		Diameter of Exit Pupil	Light Transmitting Power	Field of View in terms of yds. at a distance of 1000 yds.		Weight		
	mm.	in.			mm.	of Field Glass	of Hard leather Case	of Soft leather Pouch	
8x	30	1.18	3.75	14.06	8.5°	150	22 <sup>5</sup> / <sub>8</sub>	12 <sup>5</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>8</sub>

# DELAECTIS

Magnifying 8 times

Wide-angle Binocular



1/3 Full Size

A powerful hunting and marine glass of exceptional light transmitting capacity and with an extremely large field of view

The most popular eyepiece focussing Race Glas

- In black stiff leather case with shoulder strap Codeword: Delaectis
- In brown stiff leather case with shoulder strap Codeword: Delaectisba

For Prices see Price Slip

Magnification	Effective Diameter of Objective		Diameter of Exit Pupil	Light Transmitting Power	Field of View in terms of yds. at a distance of 1000 yds.		Weight	
	mm.	in.			mm.	of Field Glass	of Hard leather Case	
8x	40	1.57	5	25	8.75°	154	38 <sup>1</sup> / <sub>4</sub>	19 <sup>1</sup> / <sub>8</sub>

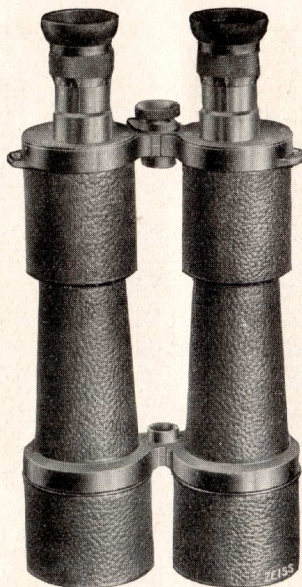


## DEKAR

Magnifying 10 times

Marine Glass

1/4 Full Size



High power binocular with great light transmitting capacity  
Requires a firm support

In black stiff leather case with shoulder strap Codeword: Dekar  
In brown stiff leather case with shoulder strap Codeword: Dekarba  
Stand with case (see page 46) . . . . . Codeword: Dekarsta  
Stockhead for the stand (see page 46) . . . . . Codeword: Dekaraf  
Weight of Stand and Stockhead in case abt 5 lbs

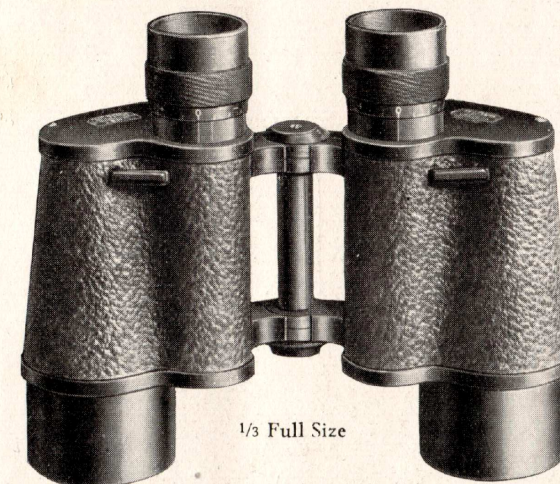
For Prices see Price Slip

Magnification	Effective Diameter of Objective		Diameter of Exit Pupil	Light Transmitting Power	Field of View in terms of yds. at a distance of 1000 yds.		Weight	
	mm.	in.			mm.	oz.	of Hard leather Case	
10x	50	1.97	5	25	5°	87	41 <sup>5</sup> / <sub>8</sub>	20 <sup>7</sup> / <sub>8</sub>

## TELONAR

Magnifying 12 times

1/3 Full Size



High power glass for observing far distant objects  
This glass requires a firm support

In black stiff leather case with shoulder strap Codeword: Telonar  
In brown stiff leather case with shoulder strap Codeword: Telonarba  
Stand with case (see page 46) . . . . . Codeword: Telonarsta  
Stockhead for the stand (see page 46) . . . . . Codeword: Telonaraf  
Weight of Stand and Stockhead in case abt 5 lbs

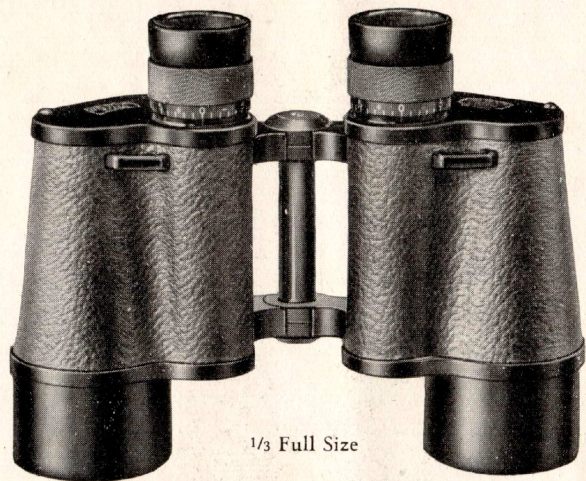
For Prices see Price Slip

Magnification	Effective Diameter of Objective		Diameter of Exit Pupil	Light Transmitting Power	Field of View in terms of yds. at a distance of 1000 yds.		Weight	
	mm.	in.			mm.	oz.	of Hard leather Case	
12x	40	1.57	3.3	10.9	4.2°	73	35 <sup>1</sup> / <sub>8</sub>	18 <sup>5</sup> / <sub>8</sub>



# TELSE XOR

Magnifying 16 times



1/3 Full Size

For great distances  
Requires to be mounted on a steady support

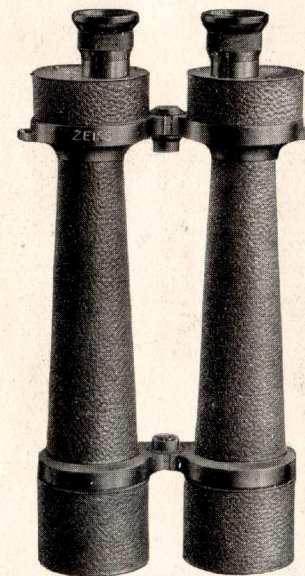
In black stiff leather case with shoulder strap Codeword: Telsexor  
 In brown stiff leather case with shoulder strap Codeword: Telsexorba  
 Stand with case (see page 46) . . . . . Codeword: Telsexorsta  
 Stockhead for stand (see page 46) . . . . . Codeword: Telsexoraf  
 Weight of Stand and Stockhead in case abt 5 lbs

For Prices see Price Slip

Magnification	Effective Diameter of Objective		Diameter of Exit Pupil	Light Transmitting Power	Field of View		Weight	
	mm.	in.			in angular measure	in terms of yds. at a distance of 1000 yds.	of Field Glass	of Hard leather Case
16x	40	1.57	2.5	6.25	3.16°	55	33 <sup>3</sup> / <sub>8</sub>	18 <sup>5</sup> / <sub>8</sub>

# DEL FORT

Magnifying 18 times



1/5 Full Size

Look out  
Telescope

High power binocular

In black hard leather case with shoulder strap Codeword: Delfort  
 Stand with case (see page 46) . . . . . Codeword: Delfortsta  
 Stockhead for stand (see page 46) . . . . . Codeword: Delfortaf  
 Weight of Stand and Stockhead in case abt. 5 lbs

The same binocular, fitted with two pairs of eyepieces, magnifying 10 and 18 times respectively, is named BIFORT

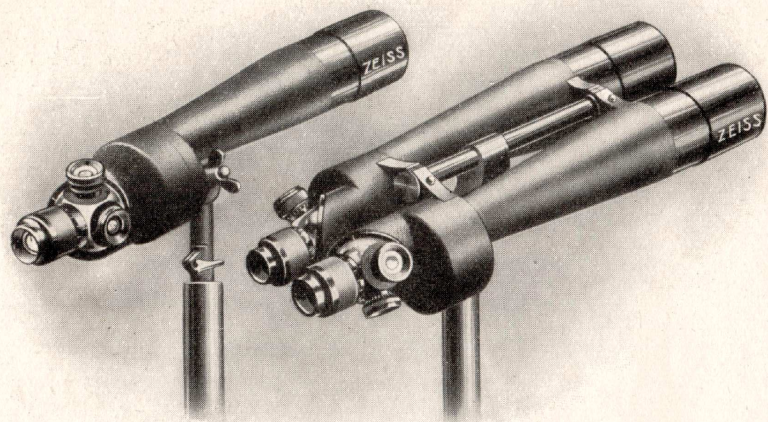
For Prices see Price Slip

Magnification	Effective Diameter of Objective		Diameter of Exit Pupil	Light Transmitting Power	Field of View		Weight	
	mm.	in.			in angular measure	in terms of yds. at a distance of 1000 yds.	of Field Glass	of Hard leather Case
18x	50	1.97	2.8	7.84	2.8°	49	36 <sup>1</sup> / <sub>2</sub>	23 <sup>3</sup> / <sub>8</sub>





## OBSERVATION TELESCOPES



STARMOR

STARMORBI

60 m.m. ( $2\frac{3}{8}$  in.) Telescopes for observation with one or both eyes. Magnifying: 12 times, 24 times and 42 times.

Zeiss Observation Telescopes are minutely described and illustrated in the following Catalogues:

ASTRO 61 contains light Travelling Models such as are mainly required for private use, for porch, verandah or window, as well as for touring. Diameter of objectives 60 mm. ( $2\frac{3}{8}$  in.) and 80 mm. ( $3\frac{1}{8}$  in.). Magnifications: 12 to 94 diameters.

ASTRO 53 contains, besides those described in Astro 61, telescopes of greater dimensions, viz. monocular and binocular observation telescopes on fixed stands, for private use in country houses, club houses, for look-out stations, also coin operated telescopes for hotels, public places, seaside resorts etc. Diameter of objectives from 60 mm. ( $2\frac{3}{8}$  in.) to 240 mm. ( $9\frac{1}{2}$  in.). Magnifications 12 to 200 diameters.

Some of these telescopes are specially fitted for use as astronomical instruments. These catalogues and price lists may be had free on application.

MB



## TWIN FOCUSSING FIELD GLASSES

The twin focussing mechanism has the advantage of enabling the user of a field glass, when viewing rapidly approaching or receding objects, e. g. on race courses, to quickly re-set the two eyepieces, the latter having been separately set for either eye in the first instance. By this means it is easy to maintain a permanently sharp and clear image. This advantage is, however, obtainable only at the cost of a twofold compromise, viz.

1. The weight of the glasses is slightly increased;
2. It is impossible to mount glasses so fitted in an absolutely dustproof and waterproof casing.

We therefore do not recommend field glasses fitted with twin focussing mechanism for use in the tropics.

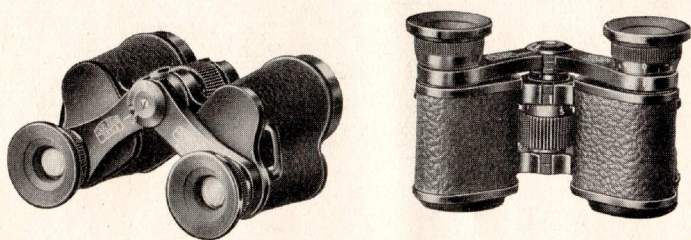
To facilitate focussing or accurate re-setting the twin focussing device is provided with a scale and index.

The optical properties of these glasses are identical with those of the glasses fitted with independent focussing eyepieces, as described on the preceding pages.

# TUOLEM

Magnifying 4 times

Theatre and Travelling Glass



1/3 Full Size

Great light transmitting power. Large field of view  
Small in bulk and light in weight

- In black stiff leather case with shoulder strap Codeword: Tuolem
- In brown stiff leather case with shoulder strap Codeword: Tuolembe
- In suède leather pouch . . . . . Codeword: Tuolemwe

For Prices see Price Slip

Magnification	Effective Diameter of Objective		Diameter of Exit Pupil	Light Transmitting Power	Field of View in terms of yds. at a distance of 1000 yds.		Weight		
	mm.	in.			in angular measure	of yds.	of Field Glass	of Hard leather Case	of Soft leather Pouch
4x	20	0.79	5	25	10.3°	182	10 1/8	7 3/8	3

# TELETUR

Magnifying 6 times

Small and light Tourists Glass\*)



1/3 Full Size

Its extremely small dimensions and weight notwithstanding, this glass has a magnifying power of 6 diameters, which suffices for most purposes.

- In black stiff leather case with shoulder strap Codeword: Teletur
- In brown stiff leather case with shoulder strap Codeword: Teleturba
- In suède leather pouch . . . . . Codeword: Teleturwe

\*) Respecting Telescopic Magnifiers see page 47

For Prices see Price Slip

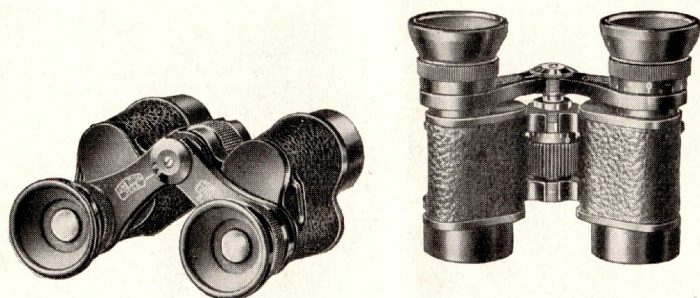
Magnification	Effective Diameter of Objective		Diameter of Exit Pupil	Light Transmitting Power	Field of View in terms of yds. at a distance of 1000 yds.		Weight		
	mm.	in.			in angular measure	of yds.	of Field Glass	of Hard leather Case	of Soft leather Pouch
6x	15	0.59	2.5	6.25	7.1°	123	7 3/8	5 1/8	2 5/8



# TUREXEM

Magnifying 6 times

Tourists Glass



1/3 Full Size

Small bulk and weight,  
combined with fine optical qualities

In black stiff leather case with shoulder strap Codeword: Turexem  
In brown stiff leather case with shoulder strap Codeword: Turexemba  
In suède leather pouch. . . . . Codeword: Turexemwe

For Prices see Price Slip

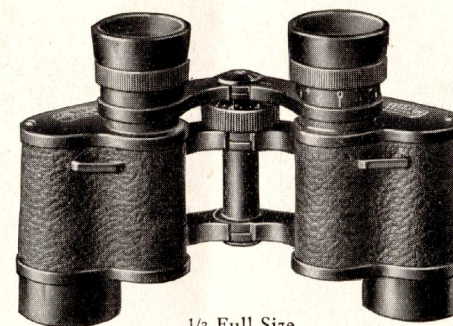


Magnification	Effective Diameter of Objective		Diameter of Exit Pupil	Light Transmitting Power	Field of View in terms of yds. at a distance of 1000 yds.		Weight		
	mm.	in.			mm.	of Field Glass	of Hard leather Case	of Soft leather Pouch	
6x	21	0.83	3.5	12.25	8.5°	150	11 5/8	7 3/4	3 5/8

# TELEXEM

Magnifying 6 times

Universal Glass for travelling and for use in the country



1/3 Full Size

Small weight  
Excellent light transmitting power

In black stiff leather case with shoulder strap Codeword: Telexem  
In brown stiff leather case with shoulder strap Codeword: Telexemba  
In suède leather pouch. . . . . Codeword: Telexemwe

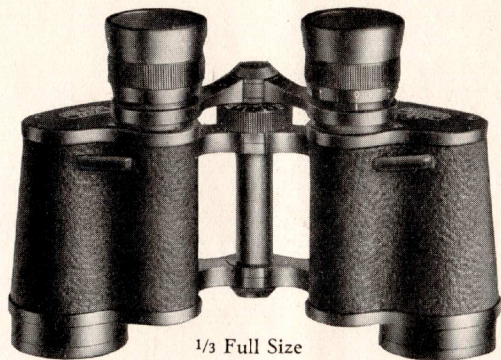
For Prices see Price Slip

Magnification	Effective Diameter of Objective		Diameter of Exit Pupil	Light Transmitting Power	Field of View in terms of yds. at a distance of 1000 yds.		Weight		
	mm.	in.			mm.	of Field Glass	of Hard leather Case	of Soft leather Pouch	
6x	24	0.94	4	16	8.5°	150	17 1/8	10 1/8	5 1/8

# SILVAREM

Magnifying 6 times

Hunting and Marine Glass



1/3 Full Size

Great light transmitting power. Extensive field of view  
Special glass for use at dusk

- In black stiff leather case with shoulder strap . . . . . Codeword: Silvarem
- In brown stiff leather case with shoulder strap . . . . . Codeword: Silvarembe
- In suède leather pouch. . . . . Codeword: Silvaremwe

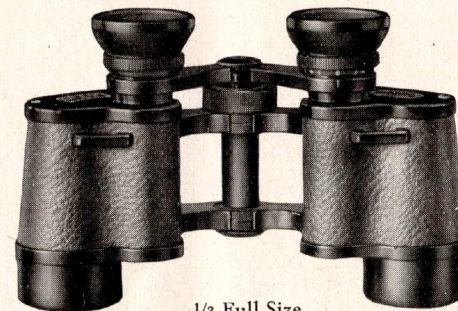
For Prices see Price Slip

Magnification	Effective Diameter of Objective		Diameter of Exit Pupil	Light Transmitting Power	Field of View in terms of yds. at a distance of 1000 yds.		Weight		
	mm.	in.			in angular measure	of Field Glass	of Hard leather Case	of Soft leather Pouch	
6x	30	1.18	5	25	8.5°	150	23 1/8	12 5/8	5 1/8

# TURACTEM

Magnifying 8 times

Sporting and Travelling Glass



1/3 Full Size

A small sized high power glass

- In black stiff leather case with shoulder strap . . . . . Codeword: Turactem
- In brown stiff leather case with shoulder strap . . . . . Codeword: Turactemba
- In suède leather pouch . . . . . Codeword: Turactemwe

For Prices see Price Slip

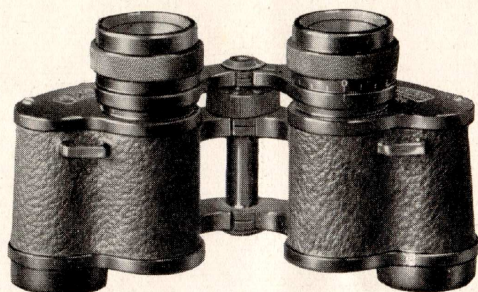
Magnification	Effective Diameter of Objective		Diameter of Exit Pupil	Light Transmitting Power	Field of View in terms of yds. at a distance of 1000 yds.		Weight		
	mm.	in.			in angular measure	of Field Glass	of Hard leather Case	of Soft leather Pouch	
8x	24	0.94	3	9	6.3°	110	15 3/8	11 5/8	4 1/2



# DELTURISEM

Magnifying 8 times

Wide-angle Binocular



1/3 Full Size

A new glass for travel and sport with an extremely large field of view

- In black stiff leather case with shoulder strap . . . . . Codeword: Delturisem
- In brown stiff leather case with shoulder strap . . . . . Codeword: Delturisemba
- In suède leather pouch . . . . . Codeword: Delturisemba

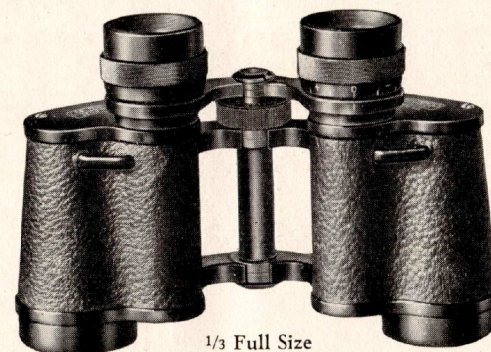
For Prices see Price Slip

Magnification	Effective Diameter of Objective		Diameter of Exit Pupil	Light Transmitting Power	Field of View in terms of yds. at a distance of 1000 yds.		Weight		
	mm.	in.			in angular measure	of yds.	of Field Glass	of Hard leather Case	of Soft leather Pouch
8x	24	0.94	3	9	8.75 <sup>0</sup>	154	19 <sup>5</sup> / <sub>8</sub>	97 <sup>7</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>8</sub>

# DELTRINTEM

Magnifying 8 times

Wide-angle Binocular



1/3 Full Size

An excellent high power glass for travel and all sports Good light transmitting power. Extremely large field of view The favorite twin focussing glass on the race course

- In black stiff leather case with shoulder strap . . . . . Codeword: Deltrintem
- In brown stiff leather case with shoulder strap . . . . . Codeword: Deltrintemba
- In suède leather pouch . . . . . Codeword: Deltrintemba

For Prices see Price Slip

Magnification	Effective Diameter of Objective		Diameter of Exit Pupil	Light Transmitting Power	Field of View in terms of yds. at a distance of 1000 yds.		Weight		
	mm.	in.			in angular measure	of yds.	of Field Glass	of Hard leather Case	of Soft leather Pouch
8x	30	1.18	3.75	14.06	8.5 <sup>0</sup>	150	24 <sup>1</sup> / <sub>2</sub>	12 <sup>5</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>8</sub>



## MONOCULAR FIELD GLASSES

Magnifying 6 to 18 times



1/3 Full Size

The component telescope bodies of our binocular field glasses may be supplied separately. Their optical and mechanical qualities are identical with those of the binoculars. Obviously, they cannot furnish a stereoscopic effect. They may be desirable where one eye is sightless or seriously defective, or where the glass is intended for a purpose where stereoscopic vision is of no moment. Being considerably lower in price than the corresponding double telescopes, they are likewise welcome in many cases for reasons of economy.

For codewords, weights and optical particulars  
see pages 8 and 9



## ZEISS "TELEATER" GLASSES

"Teleater" is an opera glass in which the recognized advantages of the prism binocular, — viz. its **excellent definition** and more especially its **large field of view**, — are embodied in an exceedingly small and light instrument. It magnifies 3 times, which is the power best adapted for use in the theatre, and at this magnification the "Teleater" embraces at a distance of 100 yds a scene 24 yds wide. A person seated 60 feet away from the stage will therefore be able to take in at one glance all of the actors comprised within a width of 14½ feet.

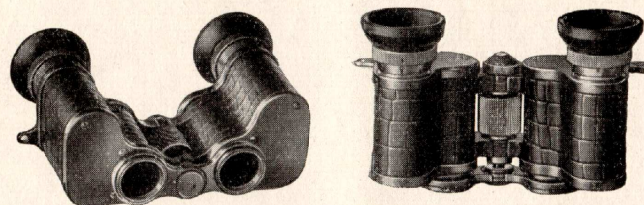
The "Teleater" can be adjusted for any distance between the eyes and for any sight. Its mechanical design resembles that of our glasses with twin focussing arrangement.

For illustrations and description of these glasses see the following pages.  
Respecting Lens Attachments for the "Teleater" see page 47

# TELEATER

Magnifying 3 times

Theatre Glass



1/3 Full Size

The Teleater is supplied in the following styles:

**Style A:** Elegant black covering and fittings, the same as the Zeiss Field Glasses

**Style B:** Gilt ends and lizard or fancy leather covering

**Style C:** Teleater de Luxe, as shown on next page: Gilt ends and mother of pearl covering

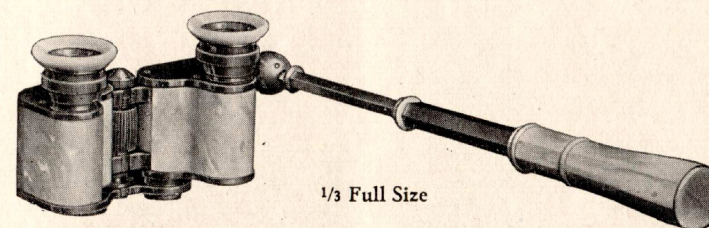
With each glass is supplied a black silk cord  
Styles B and C may also be had with detachable collapsible handle

For Codewords for different styles see next page

For Prices see Price Slip

Magnification	Effective Diameter of Objective		Diameter of Exit Pupil	Light Transmitting Power	Field of View in terms of yds. at a distance of 1000 yds.		Weight		
	mm.	in.			mm.	of Field Glass	of Hard leather Case	of Soft leather Pouch	
3x	13.5	0.53	4.5	20.25	13.7°	24	7 3/8	4 1/2	2 3/4

# TELEATER DE LUXE

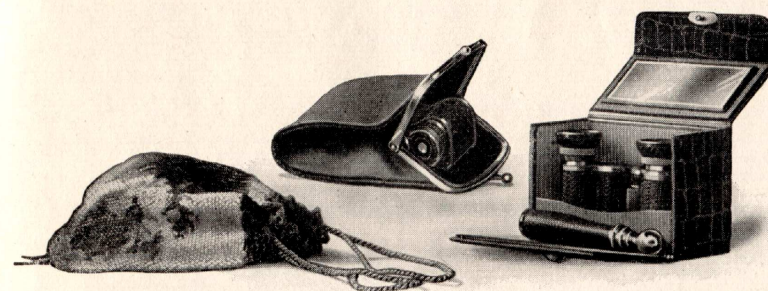


1/3 Full Size

**Style C:** Gilt ends and mother of pearl covering  
With detachable collapsible handle

Codewords for Teleater	Style A:	Style B:	Style C:
In beaded bag . . . . .	Teletas	Telesilla	Telepluson
In soft leather pouch . . . . .	Teledamus	Teleboes	Telebeuton
In black leather case . . . . .	Telebolo	—	—
In fancy leather case . . . . .	—	Teleba	Teleperlon
With detachable collapsible handle in beaded bag	—	Telesillami	Teleplus
Do., in soft leather pouch . . . . .	—	Teleboesmi	Telebeut
Do., in fancy leather case . . . . .	—	Telebami	Teleperl

# TELEATER ACCESSORIES



Beaded Bag

Soft leather Pouch

Leather case

Silk cord with two swivel catches . . . . .	Codeword: Teletico
Soft leather Pouch . . . . .	Codeword: Telesia
Black morocco case . . . . .	Codeword: Teleblack
Fancy or Crocodile leather case . . . . .	Codeword: Telemaco
The same, with room for detachable collapsible handle . . . . .	Codeword: Telemacit
Beaded bag . . . . .	Codeword: Teletel
Detachabile collapsible handle, leather covered . . . . .	Codeword: Telegrif
Detachabile collapsible handle, mother of pearl . . . . .	Codeword: Telestil

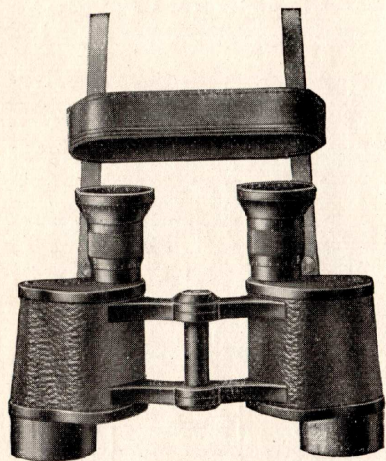
For Prices see Price Slip

## FIELD GLASS ACCESSORIES

### RAIN GUARD

for protecting the eyepieces from rain while hunting, &c. The guard is attached to the shoulder strap and is so arranged that when the glasses are not in use it rests on both eyepieces, and pushes back when the glasses are held to the eyes.

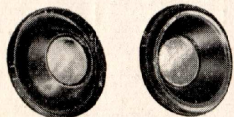
Codeword: Regenklapp  
For price see Price Slip



### YELLOW GLASSES

These glasses attach to the eyepieces and are useful in glaring light.

Codeword: Gelbglaser  
Also specify field glass for which they are required.  
For price see Price Slip



### SIGHT CORRECTING GLASSES

For the use of persons with astigmatic eyes we recommend spectacle glasses fitting the eyepiece mounts in cases where it is desired to use the glasses without spectacles. When ordering, the oculist's prescription, giving the position of the axes, should be furnished.

Codeword: Telecorrect — Also specify field glass  
For prices see Price Slip

The mounts of the Sight Correcting Glasses are marked R (for right) and L (for left) respectively. Also, on either mount there are two indentations (not on the cylinder axis produced). When the glasses are in position the four indentations should be in a straight line.

For the convenience of spectacle wearers the field glasses may be supplied with flat eyecups without extra cost.

## COMPASS

A compass can be fitted to the lid of the case. It is so mounted that the casing also serves to arrest the needle, the latter being fixed when the casing is turned to the right and released when it is turned to the left. The projecting rim of the casing prevents dust and rain from entering the compass and also protects it from damage.

Codeword: Kompass  
For price see Price Slip



## TREE SCREWS AND STANDS

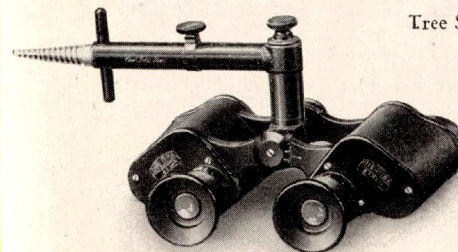
Field Glasses of high magnifying power have a correspondingly greater weight. It is somewhat difficult to steadily support these glasses. For use with high power field glasses we have accordingly devised the following. — **Tree Screws** enable the user of a field glass to direct it both in horizontal and vertical directions. The tree screw designed for the binocular field glasses secures the instrument by its centre bar. For binoculars without centre bar a joining piece is supplied and in the case of monocular field glasses the screw attaches to the body of the instrument.

Tree Screw for binocular field glasses  
Codeword: Telarbor

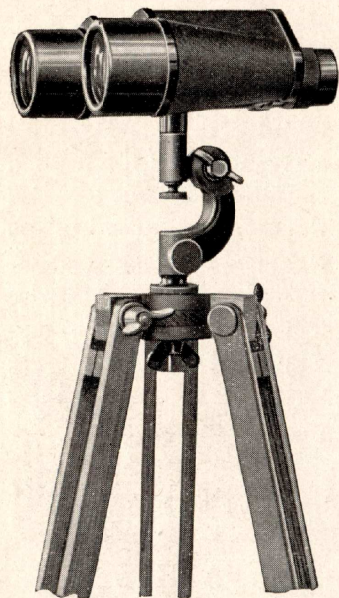
Tree Screw for monocular field glasses  
Codeword: Simparbor

When ordering please specify the field glass for which the tree screw is required.

For Prices see Price Slip







## STANDS

These are of the well tried design of our tripod stands.

## THE STOCKHEAD

grips the field glass after the manner of a tree screw and admits of its being freely directed both vertically and horizontally.

For Prices see Price Slip



Codeword of stand in canvas case:  
Telest\*)

Codeword of Headstock to fit:  
Teleauf\*)

\*) As far as special codewords for stands and headstocks are not stated under the different field glass models shown in this catalogue, please use the above codewords and also specify the field glass for which the stand and stockhead are required.

## HOW TO FOCUS FIELD GLASSES FOR NEAR OBJECTS

Field glasses are primarily intended for viewing distant objects. Nevertheless, they can be focussed for viewing quite near objects by turning their eyecups, or the twin focussing mechanism, as the case may be, in the direction marked +, either as far as it will go or until the object can be seen distinctly.

There is, of course, a limit to the nearness of the objects. In order to be able to view objects at still closer ranges the field glasses may be used in conjunction with lens attachments. These are placed in front of the objectives of the field glass, which is thereby converted into a

## TELESCOPIC MAGNIFIER.

With the aid of these interchangeable lens attachments the magnifying power of the binocular can be raised to  $28\frac{1}{2}\times$ . The combinations so formed have the further advantage that they need not be brought so close up to the object as is necessary with ordinary magnifiers.



Telescopic Magnifier

Field glasses with contracted objectives, such as the TELEATER theatre glass and the TELETUR tourist glass, may be converted into binocular telescopic magnifiers affording stereoscopic vision, whilst field glasses with distended objectives may be used as monocular telescopic magnifiers.

The Zeiss telescopic magnifiers have moreover proved a valuable aid to persons who by reason of extreme weakness or otherwise impaired vision were to all intents and purposes nearly blind before the advent of these telescopic combinations. — A field glass in combination with a microscope objective in the place of the simple magnifier and mounted on a suitable stand forms a

## TELESCOPIC MICROSCOPE.

According to the power of the objective used this will yield magnifications up to 180 diameters.

For further information respecting Telescopic Magnifiers, Telescopic Microscopes, and accessories for their use for various scientific, industrial, and educational purposes, see our pamphlet Med 3.

Catalogues on any of the following Zeiss Instruments may be had free on application.

SPECTACLE LENSES AND SPECTACLES / Punktal Spectacle Glasses, Katral Cataract Spectacle Glasses, Lens Attachments converting ordinary glasses into bi-focals, Telescopic Spectacles for the extremely weaksighted

MAGNIFIERS / Monocular and Binocular Magnifiers, Spectacle Magnifiers, Telescopic Magnifiers, Folding Magnifiers, Reading Glasses, Picture Viewers

PHOTOGRAPHIC OBJECTIVES / Tessars, Double Protars, Double Amatars, Convertible Protars, Planars, Tele-Tessars, Telephoto Attachments, Distar Lenses, Yellow Screens, Dukar Filters, Reversing Prisms, Light Filter Troughs, Focussing Lenses, etc.

STEREOSCOPES / Verant Stereoscopes

MICROSCOPES and Microscope Accessories, Apparatus for ultra-microscopic observations and darkground illumination, Photo-micrographic Apparatus for visible and ultra-violet light

PROJECTION APPARATUS / Episcopes, Epidiascopes

RIFLE SIGHTING TELESCOPES

ASTRONOMICAL TELESCOPES / Astronomical Accessories, Astronomical and Astro-photographic Objectives, Observatory Domes

MEDICAL INSTRUMENTS / Ophthalmoscopic and Endoscopic Instruments, Illuminating Appliances for Operating Theatres

APPARATUS FOR ILLUMINATION and for Light Therapy  
SURVEYING INSTRUMENTS / Levels, Theodolites, Optical Squares, etc.

OPTICAL MEASURING INSTRUMENTS / Photo-theodolites, Stereocomparators, Microcalipers, Reading Microscopes, Comparators, Spectroscopes, Spectrographs, Refractometers, Interferometers

MICROMETER TOOLS / Screw Gauges, Depth Gauges, Optimeters, Micrometer Dial Gauges, etc.

SEARCH LIGHTS for Motor Cars, Motor Cycles, Water-Craft, Railways, etc.



TELE DEPT.

August 25, 1923.

To our dealers:

The enclosed catalog of Carl Zeiss Prism Binoculars is the latest edition of this literature and will be designated as catalog T260.

In its pages will be found complete data covering the entire line, and includes description of such accessories as tripods, headstocks, rain guards, etc.

For the present it is not intended to be used for general distribution, but for your own use only. At the same time, should any of your prospective customers express a desire to own a copy, it will always be cheerfully furnished on request.

Very truly yours,  
HAROLD M. BENNETT



PRICE LIST

OF

CARL ZEISS

*Prism Binoculars*

In effect July 1, 1923





Linear Magnification	Diameter of objectives mm	In black or tan leather case		In soft leather pouch	
		Codeword	Price	Codeword	Price

**With Individual Focusing Eyepieces**

4X	20	Turol	\$ 48.00	Turolwe	\$ 47.00
5X	12	Stenor	90.00	Stenorwe	90.00
6X	21	Turex	50.00	Turexwe	49.00
6X	24	Telex	52.50	Telexwe	51.50
6X	30	Silvamar	64.50	Silvamarwe	63.00
7X	50	Binoctar	98.00	..	..
7X	50	Noctar	75.00	..	..
8X	24	Turact	56.00	Turactwe	55.00
8X	24	Delturis	62.50	Delturiswe	61.50
8X	30	Deltrentis	72.00	Deltrentiswe	70.50
8X	40	Delactis	92.00	..	..
10X	50	Dekar	134.00	..	..
12X	40	Telonar	92.00	..	..
16X	40	Telsexor	92.00	..	..
18X	50	Delfort	140.00	..	..

**With Central Focusing Adjustment**

4X	20	Turolem	\$ 54.50	Turolemwe	\$ 53.50
6X	15	Teletur	52.50	Teleturwe	51.50
6X	21	Turexem	56.50	Turexemwe	55.50
6X	24	Telexem	59.00	Telexemwe	58.00
6X	30	Silvarem	71.00	Silvaremwe	69.50
8X	24	Turactem	62.50	Turactemwe	61.50
8X	24	Delturistem	69.00	Delturistemwe	68.00
8X	30	Deltrintem	78.50	Deltrintemwe	77.00

**Monoculars**

6X	24	Simplex	\$ 25.00	Simplexpo	\$ 24.00
6X	30	Simpsilv	32.00	Simpsilvpo	31.00
7X	50	Binoctarmo	47.00	..	..
7X	50	Noctarmo	36.00	..	..
8X	24	Simplact	27.00	Simplactpo	26.00
8X	24	Delturismo	30.00	Delturispo	29.00
8X	30	Deltrintmo	35.00	Deltrintpo	34.00
8X	40	Delactismo	45.00	Delactispo	43.50
12X	40	Telonarmo	45.00	Telonarpo	43.50
16X	40	Telsexormo	45.00	Telsexorpo	43.50
18X	50	Delfortmo	66.50	..	..

**Opera Glasses**

3X	13,5	Telebolo	\$ 48.00	Teledamus	\$ 47.00
3X	13,5	Teleba	54.00	Teleboes	50.00
3X	13,5	Teleperlon	65.00	Telebeuton	61.00

**Binocular Accessories**

Codeword	Price	Codeword	Price
Telesia	\$ 3.50	Kompass	\$ 3.25
Teletico	0.50	including mounting of	
Teleblack	4.50	compass	4.00
Telemaco	7.50	Telarbor	9.00
Teletel	10.00	Simparbor	7.25
Regenklapp	1.25	Telesta	10.75
Gelbglasser	2.50	Teleauf	10.75
Telecorrect	5.00		

Tax 5 per cent additional