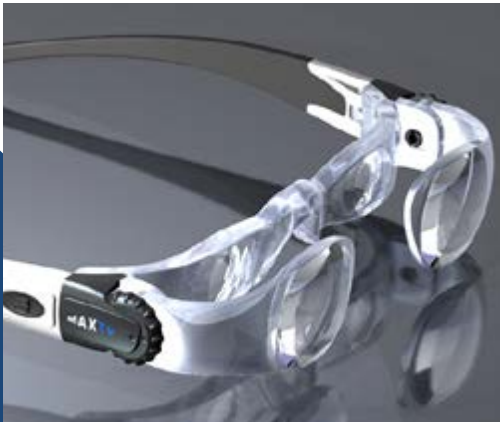




## INNOVATIVE MAGNIFICATION SOLUTIONS





*Eschenbach's worldwide administrative headquarters.*

## A World Brand With Tradition

Eschenbach Optik GmbH was founded by Josef Eschenbach in 1913 as a wholesaler of optical products and precision drawing instruments.

In order to meet the strong demand for Eschenbach optical products, the first subsidiaries in Austria and Switzerland were created in the 1960's.

Subsidiaries followed in Italy, France, Denmark, the Netherlands, Spain, and the Czech Republic. The North American subsidiary, Eschenbach Optik of America, was founded in 1983.

With more than 30 other trade partners throughout the world, as well as a joint venture in Japan, Eschenbach has developed into the world leader for optical products.

From spectacle frames to sunglasses to binoculars and reading glasses, magnifiers and special vision aids – the Eschenbach name has come to mean a comprehensive range of products, quality and innovation.

## Vision Technology Products

As there is more to the magnifying vision aid product range than magnifiers and reading glasses, we call this sector "Vision Technology Products". This name describes the high degree of precision and accuracy achieved by Eschenbach through the use of the latest technologies and manufacturing processes.

Investing in the company's own research and development department is an essential pre-condition for the famous Eschenbach quality. As always, Eschenbach is committed to tangible progress – for our customers' satisfaction.

## Why Use Magnifying Vision Aids?

Generally speaking, magnifying vision aids can help a visually impaired person to see better in order to carry out their daily living tasks independently, thereby providing a better quality of life. A visual impairment exists when, despite applying the best corrective glasses or contact lenses, vision is still impaired.

## What Eye Diseases Are They Used For?

The most common eye diseases that cause vision loss for which magnifying vision aids are useful include age-related macular degeneration (AMD), diabetic retinopathy, glaucoma, and cataracts.

## What Do Eye Diseases Look Like?



Normal Vision

With normal vision, the eye sees colors and photos in full view.



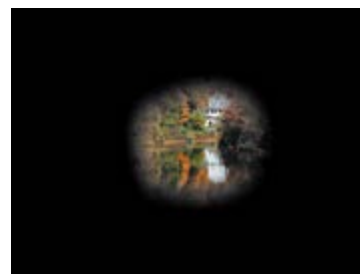
Macular Degeneration

With age-related **macular degeneration**, usually only the peripheral section of the retina can be used to see, as the retina is destroyed in the visual center called the macula.



Diabetic Retinopathy

In **diabetic retinopathy**, the function of the retina is disturbed by the presence of small scotomas or blind spots. At the advanced stage, the scotomas grow together to form large-field areas of lost vision.



Glaucoma / Retinitis Pigmentosa

**Glaucoma** is increased internal pressure in the eye that leads to irreversible damage to the optic nerve, however central vision often remains intact.

**Retinitis pigmentosa**, due to the death of the rods in the retina, causes the field of view to narrow increasingly to a tubular field of view. Retinitis pigmentosa can lead to blindness.



Cataracts

A **cataract** is a clouding of the lens of the eye which leads to increased sensitivity to flashes of light in addition to impairment of acuity.



# Product Design Awards & Innovation



## cera-tec®

cera-tec® is a hard coating developed in collaboration with the Fraunhofer Institute for Silicate Research ISC (Würzburg) specifically for PXM® lenses on ORMOCER® basis.

Our coating procedures offer all-around lens protection as all lenses are coated on both the front and back surface.

The finished product sets new standards in quality, service life, reliability and economy. Products with cera-tec® coating have the above symbol next to them in the catalog.

## PXM® lightweight lenses

Eschenbach lenses are made of PXM® material. This material is characterized by its light weight and high resistance to breakage.

As a result, Eschenbach customers have a choice of products with the highest image quality, economic design and maximum utility.

## Warranty

Products in this Eschenbach catalog are covered by a 1-year warranty against manufacturer's defects, unless otherwise noted.

## Ease of Use Rating Guide

In consultation with eye care and vision rehab professionals, Eschenbach Optik has developed a unique 'Ease of Use' scale for each of our products.

As you browse through the catalog, use the color coded scale below to determine the amount of training your patient will need to find success with each product.

Products at the lower end of the 'Easy to Use' scale require little or no training for successful application, while products at the higher end will require training, fitting and assistance from an eye care or vision rehab professional for users to achieve success.










Each product in this catalog is rated from 1-5, with 1 indicating that little or no patient training is needed, and 5 indicating training will most likely be needed.

- 1 Easy to use
- 2 Somewhat easy to use
- 3 Moderately easy to use
- 4 May require training
- 5 Requires training



Symbol indicates the product is customizable

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# Hand-held Magnifiers

■ Illuminated



## Mobilux® LED

The Mobilux® LED line of hand-held magnifiers has a new design with updated features!

### 1511 Series Special Features:

- A comfortable, ergonomic handle with a large, easy-to-operate ON/OFF switch
- A battery compartment with cover that opens and closes easily, and high-quality springs to ensure a good connection
- SMD LEDs that are completely enclosed to eliminate possible damage
- 3 snap-on filters (yellow, orange, clear) that allow users to choose color choice and brightness
- 4 Mobase Stands available for hands-free use (1511-00x pg. 55)
- High quality lenses that are nearly distortion-free
- Illumination lasts up to 50,000 hours
- Cera-tec® coating prevents lens scratches (not available on the 1511-4)
- Limited lifetime warranty

### Technical Information:

**Lens:** Aspheric (#1511-4 features a diffractive hybrid lens)

**Illumination:** SMD LED

**Handle:** Ergonomic design, tactile surface and easy ON/OFF switch

**Batteries:** 2 AA batteries (included)

**Case:** Protective case included

**Note:** Optional Mobase stands available (below) - see page 55 for details (eye to lens distance printed on handle)

Product #	Lens Size (mm)	Dpt.	Magnification	Case #
1511-2	60	12	3x	Included
1511-3	75 x 50	10	3.5x	Included
1511-4	75 x 50	16	4x	Included
1511-41	60	16	4x	Included
1511-5	58	20	5x	Included
1511-6	60	24	6x	Included
1511-7	35	28	7x	Included
1511-10	35	38	10x	Included
1511-12	30	50	12.5x	Included

1511-9107  
Display



Case Included

1511-00x  
Mobase  
Stands



### 18371

#### Diagnostic tray of Illuminated Pocket Magnifiers

Eschenbach's broad assortment of illuminated pocket magnifiers in one convenient display tray. The assortment features the whole Mobilux® line in a range of magnification from 3x to 12.5x all with SMD LEDs.

Contents: 9 pieces

1511-2, 1511-3, 1511-4, 1511-41, 1511-5, 1511-6, 1511-7, 1511-10, 1511-12. Tray insert 1837-13 and tray base 1895-01 are included at no charge with purchase of assortment.

18371



1=easy - 5=requires training

## Mobilux® Economy

### 1510 Series Special Features:

- Superior quality aspheric lens
- Hinge on handle keeps top and bottom pieces together and eliminates alignment problems when closing the handle
- Simple maintenance in changing batteries and bulbs
- Large, raised on/off switch is easy for arthritic fingers

### Technical Information:

**Lens:** Aspheric PXM® lightweight lens

**Bulb:** Incandescent (#1544)

**Handle:** High grade white ABS plastic

**Batteries:** Requires 2AA batteries (included)

**Case:** Microfiber protective case can be ordered separately. Case has draw string closure.

Product #	Lens Size (mm)	Dpt.	Magnification	Case #
<b>1510-3</b>	75 x 50	10	3.5x	<b>FGX-2035CD</b>
<b>1510-5</b>	60	20	5x	<b>FGX-2035CD</b>
<b>1510-7</b>	35	28	7x	<b>FGX-2035CD</b>
<b>1510-10</b>	35	38	10x	<b>FGX-2035CD</b>



**1510-3**

1



**1510-5**

2



**1510-7**

3



**1510-10**

3

## easyPOCKET / easyPOCKET XL

Looking for a small, illuminated magnifier you can take with you everywhere? The easyPOCKETs are a perfect choice! They are available in 2.5x, 3x and 4x magnifications, have aspheric/diffractive distortion-free lens, SMD LED illumination, and a strong fiberglass-reinforced case for lens protection. Plus, the lens is only 3 mm thick!

Manufactured with LED bulbs that never need changing, the flat button battery (included) has a 5+ hour life span. The light can never be left on accidentally due to the superior design, as the light goes on and off automatically when the device is open and closed. Fits in any pocket or purse.

The 2 main differences between the original easyPOCKETs and the XL are: the size of the lens - the XL lens is larger (75x50mm vs 50x46mm) and the XL has a new pull-out stand for writing or for use as a hands-free magnifier. Limited lifetime warranty.

### Technical Information:

**Lens:** Aspheric diffractive hybrid

**Bulb:** LED

**Batteries:** Flat button batteries - 1521's: CR2025 (2) / 1522's: CR2032 (2)

**Case:** Glass fiber reinforced plastic

Product #	Lens Size (mm)	Dpt.	Magnification	Case Color
<b>1521-10</b>	50 x 46 mm	8	3x	Black
<b>1521-11</b>	50 x 46 mm	8	3x	Silver
<b>1521-22</b>	50 x 46 mm	16	4x	Metallic Blue
<b>1522-10</b>	75 x 50 mm	6	2.5x	Black
<b>1522-11</b>	75 x 50 mm	6	2.5x	Silver



**1521-10**

**1521-11**

**1521-22**

1



**1522-10**

**1522-11**

1

### 872801 / 87282 / 873003 EasyPOCKET Display

Free with purchase of 2 pieces

#### Special Features:

The easyPOCKET point-of-purchase display is composed of 3 pieces: a cardboard header, a white base tray, and a plastic easyPOCKET holder. The display is free with the purchase of any 2 easyPOCKETs. Select your choice of colors and magnification.



**872801**

**87282**

**873003**

# Hand-held Magnifiers

■ Aspheric

■ Aspheric



## The Aspheric Lens:

The first company to injection-mould an aspheric lens, Eschenbach is known for the optical quality of its aspheric products. Aspheric lenses have steeper curves allowing for higher magnification with less distortion.

## 2655 Series - Aspheric Hand-held Magnifier

### Special Features:

- Ergonomic handle design makes it comfortable to hold
- Specially calculated lenses provide distortion-free viewing
- Positioning of handle makes 2655 series suitable for left-handed users!
- Carrying cord to wear around the neck included
- Limited lifetime warranty

### Technical Information:

**Lens:** Aspheric PXM® lightweight lens with cera-tec® coating

**Case:** Optionally available, see chart below

**Handle:** Black matte ABS plastic

**Note:** Blue loop at the end of the handle can slide out for use with the carrying cord which is provided. All 2655 magnifiers are suitable for left-handed use. Eye to lens distance printed on handle.

Product #	Lens Size (mm)	Dpt.	Magnification	Case #
<b>2655-50</b>	50	24	6x	<b>2855-50</b>
<b>2655-60</b>	60	20	5x	<b>2855-60</b>
<b>2655-70</b>	70	16	4x	<b>2855-70</b>
<b>2655-750</b>	75x50	10	3.5x	<b>2855-150</b>
<b>2655-150</b>	100x50	7.6	3x	<b>2855-150</b>
<b>2655-175</b>	100x75	7.0	2.8x	<b>2855-175</b>



*"Reading can be so easy with the right magnifier!"*



1=easy - 5=requires training



# Hand-held Magnifiers

■ Aplanatic and Biconvex

## Ergo Aplanatic

### The Aplanatic Lens:

The Aplanatic lens, a proprietary design of Eschenbach, offers the best optics available in magnifiers. The aplanatic lens is made of a high-quality PXM® lightweight lens system consisting of two plano-convex lenses that give a clearly defined, distortion-free image edge-to-edge.

### Features include:

- Excellent distortion-free optics
- Ergonomic handle
- Lightweight
- Limited lifetime warranty

### Technical Information:

**Lens:** Aplanatic PXM® lightweight lens

**Handle:** High grade ABS plastic with ergonomic design and rubber coating

**Case:** Black draw-string case optionally available. See chart below.

Product #	Lens Size (mm)	Dpt.	Magnification	Case#
<b>2668-50</b>	50	14.0	4.5x	<b>FGX-2035CD</b>
<b>2668-60</b>	60	11.3	3.8x	<b>FGX-2035CD</b>
<b>2668-75</b>	75	7.4	2.8x	<b>FGX-2035CD</b>
<b>2668-85</b>	85	5.6	2.4x	<b>FGX-2035CD</b>
<b>2668-950</b>	90x50	6.8	2.7x	<b>FGX-2035CD</b>

### 2668-9 Ergo Aplanatic Magnifier Display

An attractive Ergo Hand-held magnifier display that holds an assortment of 6 Ergo-style magnifiers. The display is FREE with the purchase of any 6 Ergo magnifiers.

## Large Field Biconvex

The Large Field series of Biconvex hand-held magnifiers offers the largest fields available in their power range.

### Special Features:

- Large field biconvex lens
- Transparent mount for shadow-free viewing
- 5x bifocal lens in handle
- Carrying cord included - fits into slot in handle
- Limited lifetime warranty

### Technical Information:

**Lens:** Biconvex PXM® lightweight lens with anti-static coating

**Bifocal:** Plano-convex

**Handle:** Transparent PXM® with shell-type patented design. Black plastic w/slot for carrying cord (included).

**Case:** Cases available, see order numbers below.

Product #	Lens Size (mm)	Dpt.	Magnification	Case #
<b>2642-65</b>	65	7.4	3x	<b>FGX-2035CD</b>
<b>2642-80</b>	80	5.1	2.5x	<b>2872-80</b>
<b>2642-100</b>	100	3.9	2x	<b>2872-100</b>
<b>2642-120</b>	120	3.2	2x	<b>2872-120</b>
<b>2642-840</b>	80x40	5.0	2.5x	<b>2872-840</b>
<b>2642-150</b>	100x50	3.9	2x	<b>FGX-2035CD</b>
<b>2642-1255</b>	120x55	3.3	2x	<b>2872-1255</b>

### Round Lens

2668-50  
2668-60  
2668-75  
2668-85

1

### Rectangular Lens

2668-950

1

2668-9

### Round Lens

2642-65  
2642-80  
2642-100  
2642-120

1

### Rectangular Lens

2642-840  
2642-150  
2642-1255

1

1 2 3 4 5

1=easy - 5=requires training

# Hand-held Magnifiers

■ Biconvex

Round  
Lens

1



Rectangular  
Lens

1



2612-1



Round  
Lens  
2614-65  
2614-80

1



Rectangular  
Lens  
2614-840  
2614-150

1



## Economy

The Economy Series of Biconvex hand-held magnifiers offers high-quality optics at an affordable price.

### Economy Series Special Features:

- Completely transparent for maximum light and shadow-free viewing
- 5x plano-convex bifocal lens in handle
- Slot in handle for carrying cord (cord not included)
- Limited lifetime warranty

### Technical Information:

**Lens:** Biconvex PXM® lightweight lens

**Bifocal:** Plano-convex

**Handle:** Transparent PXM® with 5x bifocal and slot for carrying cord. (Carrying cord not included)

Product #	Lens Size (mm)	Dpt.	Magnification	Quantity per pkg.
<b>2612-401</b>	40	8.4	3.25x	6
<b>2612-407</b>	40	8.4	3.25x	1
<b>2612-601</b>	60	6.4	2.5x	6
<b>2612-607</b>	60	6.4	2.5x	1
<b>2612-801</b>	80	5	2.5x	6
<b>2612-807</b>	80	5	2.5x	1
<b>2612-9501</b>	90x50	3.9	2x	3
<b>2612-9507</b>	90x50	3.9	2x	1

### 2612-1 Display with 12 Hand-held Magnifiers

This contemporary display fits easily on any counter or table and holds 12 - 2612 hand-held magnifiers.

The 2612-1 Biconvex Display magnifiers have a magnification range of 2x - 3.25x, and includes an assortment of twelve magnifiers: 4- 2612-9507s, 3- 2612-807s, 3- 2612-607s, 2- 2612-407s.

## Visomed

### Biconvex Visomed Series

#### Special Features:

The 2614 series of hand-held magnifiers features low magnification and large fields of view. These attributes make them ideal for early intervention for low vision patients needing extra magnification for such daily living tasks as reading small print labels, telephone numbers, or reading the stock market pages. Limited lifetime warranty.

#### Technical Information:

**Lens:** Biconvex PXM® lightweight lens with anti-static coating

**Handle:** High-grade ABS white plastic

**Case:** Black leather cases available – see below

Product #	Lens Size (mm)	Dpt.	Magnification	Case #
<b>2614-65</b>	65	7.4	2.9x	<b>2872-65</b>
<b>2614-80</b>	80	5.1	2.3x	<b>2872-80</b>
<b>2614-840</b>	80 x 40	5.0	2.25x	<b>2872-840</b>
<b>2614-150</b>	100 x 50	3.9	2x	<b>2872-150</b>



# Hand-held Magnifiers

## ■ Hand-held/Stand Combinations

### Visoflex

#### 2050-1

##### Combination Hand/Stand/Pocket Magnifier

##### Special Features:

The 2050-1 has an ultra-modern, functional design that is small enough to be portable. The design offers three different types of magnifier in one! Hand-held, stand and hands-free! (See adjacent photos.) Limited lifetime warranty.

##### Technical Information:

**Magnification:** 2.5x (10D)

**Lens:** Biconvex

**Lens Size:** 60 mm

**Handle:** ABS plastic-black

**Case:** FGX-2035CD case available

#### 2050-19

##### Visoflex Display

**Contents:** 4 of 2050-1

Display base included at no charge with purchase of assortment.

Displays three of the four 2050-1's.



2050-1

1

2050-19

### CombiPLUS



##### Combination Hand-held/Stand Magnifiers

##### Special Features:

This series is designed to offer two magnifiers in one! First, the magnifier can be used as a standard hand-held magnifier. Second, with the metal legs unfolded, it can be used either as a fixed stand magnifier or, in the tilted down position, it can be used as an inclined stand magnifier. For portability, simply fold in the metal legs, fold in the handle and slide it into its leather case! Limited lifetime warranty.

##### Technical Information:

**Lens:** Aspheric PXM® lightweight lens with cera-tec® coating

**Mount:** White or Black Plastic

**Handle:** Black Plastic

**Case:** Comes complete with black leather case

Product #	Lens Size (mm)	Dpt.	Magnification	Case #
2031	100 x 50	6.3	2.8x	2021-1
2032	100 x 75	7	2.8x	2022-1
2034	75 x 50	10	3.5x	2020-1
2036	100 x 50	6.3	2.8x	2021-1



2031

1

2032

1

2034

1

2036

1



1=easy - 5=requires training

# Hand-held Magnifiers

■ Folding

1730-231

1

1730-331

1

1740-130

1740-150

1740-160

2

1

1740-250

1740-260

1

1740-450

1740-460

1

1740-530

1740-550

1740-560

2

1

1752-150

1752-160

1

1752-550

1752-560

1

1752-850

1752-860

1

1741-103



## Magno and Classic

The **Magno folding pocket magnifiers (1730 series)** are offered in 3.5x (10D) magnification, with an optical quality PXM plastic biconvex lens with duplex coating, in 2 distinct leather case colors, silver and blue. The attached, colorful leather case protects the lens from dust or scratches.

### Technical Information:

**Magnification:** 3.5x

**Lens:** Biconvex, PXM® lightweight lenses

**Lens Size:** 50 mm

**Case:** Leather case (see listing below)

The **Classic collection (1740 and 1752 series)** offers a variety of colors and styles that make these leather folding pocket magnifiers functional and stylish.

Our folding magnifiers are very compact and fit easily into a pocket or purse. They are ideal for quick viewing tasks such as reading menus, maps, price tags, or prescription labels, or other small print.

### Classic Folding Pocket Magnifiers Special Features:

- Compact design
- Attached leather case
- Variety of case colors and shapes
- Limited lifetime warranty

### Technical Information:

**Magnification:** 3.5x and 6x

**Lens:** Biconvex, PXM® lightweight lenses

**Lens Size:** 30 mm, 50 mm or 60 mm

**Case:** Leather case, various colors (see listing below)

Product #	Lens Size (mm)	Dpt.	Magnification	Case Style and Color
1730-231	50	10	3.5x	Soft leather, silver
1730-331	50	10	3.5x	Soft leather, blue
1740-130	30	24	6x	Grained, red
1740-150	50	10	3.5x	Grained, red
1740-160	60	10	3.5x	Grained, red
1740-250	50	10	3.5x	Grained, pine-green
1740-260	60	10	3.5x	Grained, pine-green
1740-450	50	10	3.5x	Grained, brown
1740-460	60	10	3.5x	Grained, brown
1740-530	30	24	6x	Grained, black
1740-550	50	10	3.5x	Grained, black
1740-560	60	10	3.5x	Grained, black
1752-150	50	10	3.5x	Fine grain, maroon
1752-160	60	10	3.5x	Fine grain, maroon
1752-550	50	10	3.5x	Fine grain, black
1752-560	60	10	3.5x	Fine grain, black
1752-850	50	10	3.5x	Fine grain, tan
1752-860	60	10	3.5x	Fine grain, tan

### 1741-103 Display of Folding Pocket Magnifiers

#### Special Features:

This contemporary display fits easily on any counter and holds 16 of our most popular, hand-held folding pocket magnifiers. Both Magno or Classic magnifiers will fit in the display. Free with purchase of 16 Magno or Classic folding pocket magnifiers.

1 2 3 4 5

1=easy - 5=requires training

### Designo

#### 1711

The Designo biconvex pocket magnifier features a compact sliding case that protects this powerful pocket magnifier. Limited lifetime warranty.

#### Technical Information:

**Magnification:** 5x (20D)

**Lens:** Biconvex

**Lens size:** 30 mm

**Handle/Case:** ABS plastic-black



1711

2

### Mobilent

#### 1710

Eschenbach has employed the latest technology and manufacturing methods to design the lens and case of this unique folding pocket magnifier in a single unit.

#### Special Features:

- High magnifications in a compact size
- Case design provides complete protection for the lens
- Small size fits easily into a pocket or purse
- Includes a carrying cord which can be threaded through hinge
- Limited lifetime warranty

#### Technical Information:

**Lens:** Bi-aspheric PXM® lightweight lenses

**Lens Size:** 35 mm

**Case:** Strong, fine grained plastic

**Note:** Comes complete with carrying cord (eye to lens distance printed on case)

Product #	Color	Dpt.	Magnification
1710-14	Red Cover	16	4x
1710-67	Gray Cover	28	7x
1710-910	White Cover	38	10x



1710-14

2



1710-67

2



1710-910

3

### Pendant

#### 2136 Pendant Magnifiers

Pendant magnifiers are the ideal inconspicuous magnifier for those that need a little extra help throughout the day. Attractive and always at-hand, they feature glass lenses to resist scratching from contact with buttons, zippers or other jewelry. Limited lifetime warranty.

Mounts, handle and chain of gold-plated or chrome-plated metal.

#### Technical Information:

**Magnification:** 3.5x (10D)

**Lens:** Biconvex, glass

**Len size:** 40 mm

**Handle:** Gold-plated or chrome-plated

**Chain Length:** Approximately 32"

Product #	Color	Dpt.	Magnification
2136-1	Gold-plated	10	3.5x
2136-2	Chrome-plated	10	3.5x



2136-1

1



2136-2

1



# Stand Magnifiers

■ Illuminated



cera-tec®  
coating

## System Vario PLUS

For over 30 years, Eschenbach's System Vario PLUS has been the 'standard of care' in assisting visually impaired patients with reading tasks. High quality aspheric optics with the largest lens available make System Vario the professional choice. All offer a limited lifetime warranty.

All System Vario PLUS heads and handles are ordered separately. See page 13 for handle choice.

1557-73

4



### 1557-73 (Magnification head only)

**Magnification:** 12.5x (50D)

**Lens Size:** 35 mm

**Lens:** Aspheric PXM® lightweight lens w/cera-tec® coating

**Case:** Optionally available

1550-73

3



### 1550-73 (Magnification head only)

**Magnification:** 10x (38D)

**Lens Size:** 35 mm

**Lens:** Aspheric PXM® lightweight lens w/cera-tec® coating

**Case:** Optionally available

**Note:** Attachable scale (divisions 1/5 mm and 1/64 inch)

1551-73

3



### 1551-73 (Magnification head only)

**Magnification:** 7x (28D)

**Lens Size:** 35 mm

**Lens:** Aspheric PXM® lightweight lens w/cera-tec® coating

**Case:** Optionally available

1552-73

2



### 1552-73 (Magnification head only)

**Magnification:** 6x (24D)

**Lens Size:** 50 mm

**Lens:** Aspheric PXM® lightweight lens w/cera-tec® coating

**Case:** Optionally available

1553-93

2



### 1553-93 (Magnification head only)

**Magnification:** 5x (20D)

**Lens Size:** 60 mm

**Lens:** Aspheric PXM® lightweight lens w/cera-tec® coating

**Case:** Optionally available

**Note:** lens head comes with flip-up orientation line

1554-93

2



### 1554-93 (Magnification head only)

**Magnification:** 4x (16D)

**Lens Size:** 70 mm

**Lens:** Aspheric PXM® lightweight lens w/cera-tec® coating

**Case:** Optionally available

**Note:** lens head comes with flip-up orientation line

1559-93

1



### 1559-93 (Magnification head only)

**Magnification:** 3x (12D)

**Lens Size:** 80 mm

**Lens:** Aspheric PXM® lightweight lens w/cera-tec® coating

**Case:** Optionally available

**Note:** lens head comes with flip-up orientation line



1=easy - 5=requires training

## Stand Magnifiers

■ Illuminated

### System Vario PLUS (cont.)

#### 1580-63 (Magnification head only)

**Magnification:** 3x (7.6D)

**Lens Size:** 100x50 mm

**Lens:** Aspheric PXM® lightweight lens w/ cera-tec® coating

**Case:** Optionally available

**Note:** Lens head comes with a 4D, flip-up, yellow tinted lens for orientation or additional magnification

#### 1581-73 (Magnification head only)

**Magnification:** 3.9x (11.4D)

**Lens Size:** 100x50 mm

**Lens:** Aspheric PXM®, lightweight lens with cera-tec® coating

**Case:** Optionally available

**Note:** Lens head can be tilted toward user for more ergonomic comfort.

#### 1582-63 (Magnification head only)

**Magnification:** 2.8x (7D)

**Lens Size:** 100x75 mm

**Lens:** Aspheric PXM® lightweight lens w/ cera-tec® coating

**Case:** Optionally available

**Note:** Lens head comes with a 4D, flip-up, yellow tinted lens for orientation or additional magnification

#### 18283 Diagnostic tray of illuminated stand magnifiers

This tray contains a complete assortment of our System Vario magnifiers.

Contents: 10 pieces

1550-73, 1551-73, 1552-73, 1553-93, 1554-93, 1557-73, 1559-93, 1580-63, 1581-73, 1582-63, 1583-304 and tray base 1895-01 included at no charge with purchase of assortment. See technical data regarding Eschenbach Stand Magnifiers on page 65.

### System Vario PLUS Handles

#### 1599-10

This incandescent battery handle can be used with any Eschenbach System Vario PLUS magnification head. Retractable leg for stability. Limited lifetime warranty.

**Illumination:** Incandescent

**Batteries:** Two "C" batteries, not included. Rechargeable batteries may be used.

**Bulb:** 1545 bulb. One bulb included. (2.5 volt, 250mA)

**Warranty:** Lifetime warranty against manufacturer defects

**Please note:** The 1599-10 handle opens from the base to change batteries.

#### 1599-144

This LED battery handle can be used with any Eschenbach System Vario PLUS magnification head providing 3 different color options in one handle! New step-up converter for bright, long lasting illumination. Retractable leg for stability. Limited lifetime warranty.

**Illumination:** LED, service life of 50,000+ hours

**Batteries:** Two "C" batteries, not included. Rechargeable batteries may be used.

**Bulb:** 2 white LEDs, 122 mA, no replacement necessary.

**Warranty:** Lifetime warranty against manufacturer defects

**Please note:** Battery handle comes with 2 sets of different colored caps. Handle opens from the base to change batteries.



1580-63

1



1581-73

1



1582-63

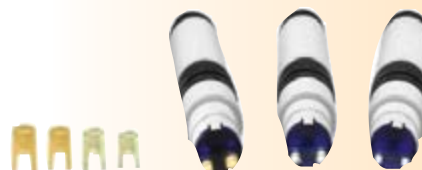
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18283



1599-10



1599-144



# Stand Magnifiers

■ Illuminated/Non-Illuminated



## Powerlux

Powerlux is an innovative and comfortable-to-use illuminated magnifier with an award-winning shape that is based on the design of a computer mouse. It offers easy orientation so patients will not lose their place when reading and combines an aspheric or hybrid aspheric/diffractive lens with two SMD LED lights for bright illumination. The Powerlux is available in two types of illumination options: cool blue or warm yellow.

### Special Features:

- Large aspheric lens with cera-tec® coating (60mm)
- Magnification: 3.5x (14D), 5x (20D), 7x (28D)
- Automatic shut-off after 30 minutes to save battery power
- Soft touch ON/OFF buttons with rubberized grip for comfort
- Open design for small writing tasks
- Protective case and 3 AA batteries included
- Display is free of charge with purchase of 2 Powerlux
- Limited lifetime warranty.

Product #	Dpt	Magnification	LED Color	Case
<b>1586-14</b>	(14D)	3.5X	Cool blue	Included
<b>1586-141</b>	(14D)	3.5X	Warm yellow	Included
<b>1586-20</b>	(20D)	5X	Cool blue	Included
<b>1586-201</b>	(20D)	5X	Warm yellow	Included
<b>1586-28</b>	(28D)	7X	Cool blue	Included
<b>1586-281</b>	(28D)	7X	Warm yellow	Included
<b>87279</b>	Display -Free with purchase of 2 Powerlux			



## visolux+



### 1566

The Visolux+ is a stand magnifier with a large, distortion-free viewing area illuminated by bright LEDs. With a unique, double lens system that features a patented hard coating, the Visolux+ makes images crisp and clear. The field of view is larger than most stand magnifiers and with a 12 Diopter lens, reading newspapers/magazines is that much easier.

The Visolux+ contains 2 bright SMD-LEDs with two color options: standard bright, white light or softer, orange light. The Visolux+ features a tilted lens for ergonomic comfort without neck strain when used for long periods of time. Automatically switches itself off after 30 minutes of non use - saving battery power. Included are 3 AA batteries, a protective case. Display is available and free with the purchase of 2 Visolux. Limited lifetime warranty.

### Technical Information:

**Magnification:** 3x (12D)

**Illumination:** 2 bright SMD LEDs with 2 color options: bright, white light or softer orange light

**Lens:** Double lens system with cera-tec® coating minimizes scratches

**Lens Size:** 100 x 75 mm

**Included:** 3 AA batteries and protective case

**Display:** Counter top display #87272 / 873003 available, free with purchase of 2 Visolux+.



## Visomax



### Rectangular Stand Magnifier

The rectangular, large field lens of the 2636-11 is ideal for reading and writing. Limited lifetime warranty. (non-illuminated)

### Special Features:

- Aspheric PXM® lightweight lens with cera-tec® coating
- Open base for handwriting
- Lens rotates 180 degrees
- Transparent plastic base for clear, bright viewing

Note: 2636-11 features a 7D aspheric lens with "snap-on" 4D lens attached underneath. The 4D "snap-on" lens can be easily removed for greater working space for tasks such as handwriting. Can be used with bar magnifier #2606.

Product #	Lens Size (mm)	Dpt.	Magnification
<b>2636-11</b>	100 x 75	11	3.8x

1586

1



87279



1566

1



87272

873003



2636-11

1





## Bright Field Magnifiers

Inconspicuous - a magnifier that looks like a paper weight! Bright field magnifiers are very popular with children and executives. They provide distortion-free magnification simply by placing the magnifier directly on the reading material. Limited lifetime warranty.

### Special Features

Bright field magnifiers have a calculated light guidance that directs all possible illumination onto the object. This provides a brighter image without an additional light source.

### 1420

#### Technical Information:

**Magnification:** 1.8x

**Lens:** Optical quality glass; 65 mm in diameter

**Rim:** Matte edge



1420

1

### 1421

#### Technical Information:

**Magnification:** 1.8x

**Lens:** Optical quality glass; 65 mm in diameter

**Rim:** Black, threaded plastic

**Note:** Red orientation line printed on removable transparent film



1421

1

### 1424

#### Technical Information:

**Magnification:** 1.8x

**Lens:** PXM® lightweight material with cera-tec® coating; 45 mm in diameter

**Rim:** Black, threaded plastic



1424

1

### 1438-30 MenasLUX 3.0

The MenasLUX is a compact, illuminated stand magnifier that provides 3x (12D) magnification in a contemporary design.

#### Special Features

- Wide 63 mm (2.5") diameter lens - provides generous field of view
- SMD LEDs last 10,000 hours, uses 1 AA battery (included)
- Drawstring pouch doubles as cleaning cloth (included)

#### Technical Information:

**Magnification:** 3x

**Lens:** Unique meniscus/aspheric PXM® lens design

**Handle:** Silver ABS plastic



1438-30

1

### 1438-8 MenasZOOM

The MenasZOOM is a revolutionary stand magnifier that lets you turn up the magnification lens while holding the base. The magnification will zoom from 2.2x up to 3.4x in increments allowing the user to select the magnification that suits them best.

#### Special Features

- Wide 70 mm (2.7") diameter lens - provides generous field of view
- Drawstring pouch doubles as cleaning cloth (included)
- Combines benefits of bright field

#### Technical Information:

**Magnification:** 2.2x-3.4x

**Lens:** Unique meniscus/aspheric PXM® lens design



1438-8

1

"Really cool, what a magnifier!"



# Stand Magnifiers

■ Bright Field

1426

1



1436

1



1436-11

1



1436-21

1



87278



1565-12

1



87275



## MakroPLUS

### 1426/1436 MakroPLUS aspheric

#### Special Features:

The 1426 and 1436 combine the light gathering advantages of the bright field magnifier with the optical benefits of an aspheric lens. Manufactured from PXM®, the 1426 and 1436 are a lightweight option to our glass bright field magnifiers. The plano base is raised 1 mm off the reading surface by ridges to prevent scratches. Limited lifetime warranty.

#### 1426 and 1436

##### Technical Information

**Magnification:** 1.8x and 2.2x respectively

**Lens:** PXM® lightweight material

**Rim:** Matte edge

**Size:** 1426: 65 x 36 x 46 mm 1436: 90 x 35 x 70mm

**Note:** 1436 model is wide enough to span a column of newspaper.

## Makrolux

#### Special Features:

The Makrolux is the first illuminated bright field magnifier and the first illuminated stand magnifier to use the lens to diffuse the light. Features bright SMD LED illumination with push-button on/off switch. The rectangular viewing area is the same size as a typical newspaper or magazine column. The lens is ergonomically tilted for comfortable reading with less fatigue. There is a new automatic shut-off feature after 5 minutes of non-use to preserve the battery. New Makrolux display is free with purchase of 2 Makrolux. Limited lifetime warranty.

#### 1436-11 Makrolux

##### Technical Information:

**Magnification:** 2.2x

**Lens:** PXM® material with cera-tec® scratch resistant coating

**Rim:** Matte edge

**Handle:** Silver ABS Plastic

**Size:** 90 x 35 x 70 mm

**Note:** Includes a soft micro-fiber bag to protect lens & 3 AA batteries.

#### 1436-21 Makrolux

##### Technical Information:

**Magnification:** 3.6x

**Lens:** PXM® material with cera-tec® scratch resistant coating

**Rim:** Matte edge

**Handle:** Silver ABS Plastic

**Size:** 90 x 35 x 70 mm

**Note:** Includes a soft micro-fiber bag to protect lens & 3 AA batteries.

#### 87278 Makrolux Display

This sturdy point-of-purchase display is composed of 2 pieces: top banner and base for the Makrolux. Available free with the purchase of 2 Makrolux.



cera-tec®  
coating

## Scribolux

### 1565-12 Scribolux

The Scribolux features bright SMD LEDs and is perfect for writing short notes, signing checks, doing crossword puzzles, changing watch batteries, or any task that requires both hands to be free. New ergonomic edge, push-button on/off switch and an auto shut-off features after 5 minutes of non-use. Limited lifetime warranty.

#### Technical Information:

**Magnification:** 2.8x (7D)

**Handle:** Silver ABS Plastic

**Lens:** Aspheric PXM® lightweight lens with cera-tec® coating

**Size:** 100 x 75 mm

**Note:** Includes a soft micro-fiber bag to protect lens. 3 AA batteries are included.

#### 87275 Scribolux Display

This handy point-of-purchase display is composed of 2 pieces: the banner top and the base that shows a crossword puzzle onto which the Scribolux can be placed to show how the puzzle is enlarged and how one can easily write under the lens. Display is free with the purchase of 2 Scribolux.

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2

3

4

5

1=easy - 5=requires training

## Stand Magnifiers

### Bar, Bright Field/Lamp Magnifiers

## Bar Magnifiers

### 2605 Technical Information:

**Magnification:** 1.8x (cylindrical magnification)

**Lens:** PXM® material with convex surface

**Size:** 200 x 25 mm

**Note:** Has red line guide for orientation. Limited lifetime warranty.

### 2606

#### Special Features

The 2606 offers 2x magnification which is the highest magnification available in a bar magnifier. This pocket bar magnifier was designed to be used with the 2636 stand magnifier.

**Magnification:** 2x (cylindrical magnification)

**Lens:** PXM® material with an aspheric surface

**Size:** 122 x 26 mm

**Note:** Has red line guide. Limited lifetime warranty.

### 2608

#### Technical Information:

**Magnification:** 1.8x (cylindrical magnification)

**Lens:** PXM® material with convex surface

**Size:** 250 x 35 mm

**Note:** Has red line guide. Limited lifetime warranty.

## Vario-maxi



### 2771-104

Vario-maxi magnifying lamp features the largest lens in the world! Ideal for reading - provides page-size field of view for a long working distance and wide field.

#### Special Features:

Ideal for hobbywork. 220 mm (9") diameter. Flexible head swivels 90° vertically and radially.

**Magnification:** 1.75x (3D)

**Lens:** Aspheric with cera-tec® coating

**Lens Size:** 220 mm

**Arm:** Sturdy, articulated arm provides 36" of working radius

**Illumination:** 13-watt fluorescent lamp included (#2771-841)

**Note:** Cord is approximately 6 ft. long. Clamp attaches to tables from .75 to 3 inches in thickness. Operating radius at lamp approximately 36 inches. Optional yellow bulb: #2771-827

## Vario



### 2772-204

Ideal for hobbywork. Flexible head swivels 45° horizontally and 90° vertically and radially.

**Magnification:** 2.8x (7.1D) (2-lens system)

**Lens:** Aspheric with cera-tec® coating

**Lens Size:** 132 mm

**Arm:** Sturdy, articulated arm provides 36" of working radius

**Illumination:** 9 watt fluorescent lamp included (#2772-840)

**Note:** Cord is approximately 6 ft. long. Clamp attaches to tables up to 3 inches in thickness. Dust cover included.

### 2772-02

Clear lens protector slides under lens to protect underside of magnifier. Can be used on the 2772-204. Supplied in a pack of 3.

#### Accessories:

Table stand **2772-9** for 2772-204. Cast iron, 13 pounds.

**2771-827** yellow bulb available.

## Vario LED Lamp



### 2777-0

Featuring a bright ring of LED illumination and a distortion-free lens. Contains 36 bright SMD LEDs that provide uniform illumination. LEDs last 10,000 hours. Large aspheric lens is 5.2" in diameter and provides 1.9x magnification (3.55D). An optional 2.5x (6D) lens is available for additional magnification (#2777-01).

**Magnification:** 1.9x (3.55D) Optional 2.5x (6D) lens available

**Lens:** Aspheric with cera-tec® coating.

**Lens Size:** 130mm in diameter

**Arm:** Articulated arm provides 180 degrees of flexibility

**Illumination:** Ring of 36 bright SMD LEDs



2605

1



2606

1



2608

1



2771-104

1



2772-204

1



2772-02



2772-9



2777-0

1



# Stand Magnifiers

## Lamp Magnifiers/Around the Neck

2781

1

2781-5

1

2781-9

1



## Vario LED Flex Lamp Magnifiers

### 2781 and 2781-5

Vario LED Flex Lamp Magnifiers combine distortion-free magnification with shadow-free illumination to perform highly detailed tasks. Exceptional level of flexibility with ergonomically shaped handle. Lenses tilt in many directions and ensure easy and precise adjustment of the magnifier head.

**Magnification:** 2.5x (6D)

**Arm Lengths:** 14" (2781) and 22.6" (2781-5)

**Lens:** PXM® aspheric lens with cera-tec® coating.

**Lens Size:** 76mm in diameter

**Steel Clamp:** Secures to tables or desks up to 2.4" thick

**Illumination:** Ring of 63 long-life SMD LEDs with 2 brightness settings; lasts 50,000 hours

**Base:** Optional black, steel base (2781-9) is available; 5" wide, weighs 5 lbs; fits both models.



## Rolling Stand for Lamp Magnifiers

### GL-715000

The Rolling Stand for lamp magnifiers features a wide 26" diameter base for excellent stability along with 5 castor wheels that enable the stand to be moved effortlessly from room to room. Attaches to lamp magnifiers: #2772-204, and #2777-0.

**Base:** 26" diameter black metal base with 5 legs

**Castors:** 5 black rolling castors

**Pole:** 31" long; 36" high when attached to base

**Weight:** 7 pounds



## Around-the-Neck Magnifiers

### 2678 Around-the-Neck Magnifier

Perfect for tasks that require hands-free tasks, such as sewing, knitting or other work and hobbies.

**Technical Information:**

**Magnification:** 2x (2.6D) with 4x (12D) bifocal

**Lens:** Bi-aspheric (PXM® lightweight lens with Duplex coating)

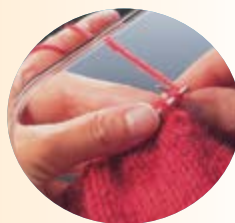
**Bifocal Lens:** Bi-aspheric

**Lens Size:** 140 x 100 mm

**Bifocal lens size:** 35 mm

**Mount:** Transparent PXM® (rubber pads on feet to prevent slipping)

**Note:** Comes complete with cord.



2678

1

2677

1



### 2677 Economy Around-the-Neck Magnifier

Also ideal for hands-free tasks such as sewing, knitting and other work and hobbies.

**Special features:**

The cord supplied with the magnifier makes it possible to adjust the height to individual requirements. Transparent mounting for shadow-free viewing

**Technical Information:**

**Magnification:** 2x (3.2D)

**Lens:** Biconvex PXM®

**Lens Size:** 100 mm

**Mount:** Transparent PXM®

**Note:** Comes complete with cord



1=easy - 5=requires training

# Reading Glasses

■ Illuminated

## LightSpecs™

### FGX-101xxx LightSpecs™ Reading Glasses

Reading glasses with the perfect combination of magnification AND illumination! Why settle for just extra magnification when choosing readers for your presbyopic patients.

For those presbyopes who require readers when performing near tasks in dark or dimly lit environments, Eschenbach's LightSpecs™ provide magnification as well as bright LED illumination - all in one pair of eyewear!

LightSpecs™ are available in two unisex frame styles (Lindy: Tortoise or Black), and seven different magnification strengths. Each pair features 2 LEDs (one on each temple) that are individually activated with an easy flick of a switch. These are powered by two flat button-sized batteries that last 50 hours!

The batteries are easily replaced and 4 extra batteries are built into the protective case which is also included with each pair.

#### Technical Information:

**Magnification:** Available in 7 different levels of magnification

**Lens:** Optical grade plastic

**Frame:** Black or Tortoise

**Illumination:** LED - 2 LEDs built into each temple

**Case:** Black, hard protective case with 4 extra batteries, included

**Power:** Uses 4 coin-cell batteries (installed) with 4 extra batteries in case (#CR1632). Batteries last up to 50 hours.

**Rx-able:** Yes - contact Eschenbach Customer Service at (800) 487-5389 for details.

Product #	Diopter	Frame Color	Style
<b>FGX-1011356-150</b>	+1.50	Black	Liberty
<b>FGX-1011356-200</b>	+2.00	Black	Liberty
<b>FGX-1011356-250</b>	+2.50	Black	Liberty
<b>FGX-1011356-300</b>	+3.00	Black	Liberty
<b>FGX-1011356-350</b>	+3.50	Black	Liberty
<b>FGX-1011356-400</b>	+4.00	Black	Liberty
<b>FGX-1011356-500</b>	+5.00	Black	Liberty
<b>FGX-1011223-150</b>	+1.50	Tortoise	Liberty
<b>FGX-1011223-200</b>	+2.00	Tortoise	Liberty
<b>FGX-1011223-250</b>	+2.50	Tortoise	Liberty
<b>FGX-1011223-300</b>	+3.00	Tortoise	Liberty
<b>FGX-1011223-350</b>	+3.50	Tortoise	Liberty
<b>FGX-1011223-400</b>	+4.00	Tortoise	Liberty
<b>FGX-1011223-500</b>	+5.00	Tortoise	Liberty
<b>FGX-1012188-150</b>	+1.50	Tortoise only	Lindy
<b>FGX-1012188-200</b>	+2.00	Tortoise only	Lindy
<b>FGX-1012188-250</b>	+2.50	Tortoise only	Lindy
<b>FGX-1012188-300</b>	+3.00	Tortoise only	Lindy
<b>FGX-1012188-350</b>	+3.50	Tortoise only	Lindy
<b>FGX-1012188-400</b>	+4.00	Tortoise only	Lindy
<b>FGX-1012188-500</b>	+5.00	Tortoise only	Lindy

#### Frame Information:

Product #	Frame Size (mm)	Bridge Size (mm)	Temple Size (mm)
LightSpecs	50 mm	15 mm	150 mm

### 2912-Display (Readers Display)

An attractive counter-top display which holds 14 pairs of LightSpecs™ glasses with a mirror on the bottom. Free with purchase of any 14 pairs of LightSpecs™.

Display Dimensions: 15 1/2" W x 4 3/4" D x 21" H



FGX-1011356

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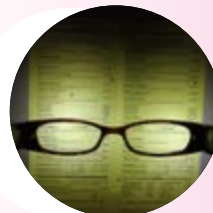


FGX-1011223

1



Case w/4 batteries



FGX-1012188

1



FGX-1012188

1



2912-Display

# Reading Glasses

## Progressive/Rimless Readers

2905-0  
Gun Metal

1



2905-1  
Gold

1



2905-2  
Blue

1



2905-3  
Red

1



2900-907



2908  
Gun Metal

1



2910-10  
2910-15  
2910-20  
2910-25  
2910-30  
2910-35  
2910-40

1



2910-01



# Progressive Reading Glasses

2905

## MiniFrame2 Progressive Reading Glasses

These progressive lenses increase in power by a full diopter from the top of the lens to the bottom of the lens. Available in five powers and four unisex frame colors. A protective, felt-lined case is included with each pair.

### Technical Information:

**Lens:** Transparent PXM® with surface coating

**Lens Type:** Progressive

**Frame:** Chrome-plated

**Case:** Black, felt lined

Product #	Frame Color	Diopter	Product #	Frame Color	Diopter
2905-010	Gun Metal	+1.00D	2905-210	Blue	+1.00D
2905-015	Gun Metal	+1.50D	2905-215	Blue	+1.50D
2905-020	Gun Metal	+2.00D	2905-220	Blue	+2.00D
2905-025	Gun Metal	+2.50D	2905-225	Blue	+2.50D
2905-030	Gun Metal	+3.00D	2905-230	Blue	+3.00D
2905-110	Gold	+1.00D	2905-310	Red	+1.00D
2905-115	Gold	+1.50D	2905-315	Red	+1.50D
2905-120	Gold	+2.00D	2905-320	Red	+2.00D
2905-125	Gold	+2.50D	2905-325	Red	+2.50D
2905-130	Gold	+3.00D	2905-330	Red	+3.00D

### Frame Information:

Product #	Frame Size (mm)	Bridge Size (mm)	Temple Size (mm)
2905	48 mm	15 mm	140 mm

## 2900-907 MiniFrame2/Readers Display

Attractive counter-top display holds 4 pairs of MiniFrame2s (or readers) with storage room in the back. The MiniFrame2 Display is free with purchase of any 4 pair.

2908

## MiniFrame2 Sun Progressive Reading Glasses

Progressive reading glasses with tinted lenses allows presbyopes to use just one pair of readers while outdoors for all near point needs! Available in 5 powers the progressive lens increases in power by a full diopter from the top of the lens to the bottom. They also block 100% UVA and UVB light and have 24% light transmittance.

### Technical Information:

**Lens:** Transparent PXM® with surface coating

**Lens Type:** Progressive

**Frame:** Gun metal

**Case:** Black, felt lined case included

**Point of Purchase Display:** holds 10 pieces. Free w purchase of 4 pair.

Product #	Frame Color	Diopter
2908-010	Gun Metal	+1.00D
2908-015	Gun Metal	+1.50D
2908-020	Gun Metal	+2.00D
2908-025	Gun Metal	+2.50D
2908-030	Gun Metal	+3.00D

**Frame Information:** same as #2905-see above

# Rimless Reading Glasses

2910

## MiniFrame Reading Glasses

Lightweight and attractive, these rimless glasses provide near magnification for reading and other close work.

### Technical Information:

**Lens:** Transparent PXM® with surface coating

**Frame:** Chrome-plated

**Frame Dimensions:** Frame: 45 mm, Bridge: 20 mm, Temple: 145 mm

**Case:** Black leatherette

Product #	Diopter	Product #	Diopter
2910-10	+1.00	2910-30	+3.00
2910-15	+1.50	2910-35	+3.50
2910-20	+2.00	2910-40	+4.00
2910-25	+2.50		

## 2910-01 MiniFrame Display

Attractive counter-top unit displays 10 pairs of MiniFrame reading glasses with room to store the remainder in back. Free with purchase of any 25 pair.

1 2 3 4 5

1=easy - 5=requires training

# Reading Glasses

## Rimless Readers

### 2913 Ready-Made Readers Rimless Reading Glasses

These Ready-Made Readers are lightweight, attractive eyewear that provide the perfect near magnification when reading, working on the computer, or performing other close-up tasks. Available in 2 different colors, purple and anthracite, and come in 7 different magnifications (from 1D to 4D in 0.5D increments).

#### Technical Information:

**Lens:** Acrylic with hard coating

**Frame:** Rimless with nose pads and colored temples

#### Frame Dimensions:

Small Frame: 49 mm, Bridge: 17 mm, Temple: 145 mm

Large Frame: 52 mm, Bridge: 16 mm, Temple: 145 mm

**Case:** Coordinated leatherette zippered case included

Product #	Diopter	Color	Product #	Diopter	Color
<b>2913-110</b>	+1.00	Purple	<b>2913-210</b>	+1.00	Anthracite
<b>2913-115</b>	+1.50	Purple	<b>2913-215</b>	+1.50	Anthracite
<b>2913-120</b>	+2.00	Purple	<b>2913-220</b>	+2.00	Anthracite
<b>2913-125</b>	+2.50	Purple	<b>2913-225</b>	+2.50	Anthracite
<b>2913-130</b>	+3.00	Purple	<b>2913-230</b>	+3.00	Anthracite
<b>2913-135</b>	+3.50	Purple	<b>2913-235</b>	+3.50	Anthracite
<b>2913-140</b>	+4.00	Purple	<b>2913-240</b>	+4.00	Anthracite



Small



Large



2913-1xx  
2913-2xx

1

### 2912

#### Rimless Reading Glasses

These designer readers are available in a variety of six striking colors and two frame styles - oval and rectangle. And, since they are offered in seven different magnifications, you'll be able to satisfy a broad range of your patient's needs, especially those who need the 4D power. Comes complete with a protective case. (See colors on page 22.)

#### Technical Information:

**Lens:** Optical grade plastic with surface coating

**Frame:** Rimless with colored temples and nose pads

**Frame Dimensions:** Frame: 50 mm, Bridge: 14 mm, Temple: 145 mm

**Case:** Black leatherette

Product #	Diopter	Color	Frame Style
<b>291211-10-BLU</b>	+1.00	Blue	Oval
<b>291211-15-BLU</b>	+1.50	Blue	Oval
<b>291211-20-BLU</b>	+2.00	Blue	Oval
<b>291211-25-BLU</b>	+2.50	Blue	Oval
<b>291211-30-BLU</b>	+3.00	Blue	Oval
<b>291211-35-BLU</b>	+3.50	Blue	Oval
<b>291211-40-BLU</b>	+4.00	Blue	Oval
<b>291212-10-BLU</b>	+1.00	Blue	Rectangular
<b>291212-15-BLU</b>	+1.50	Blue	Rectangular
<b>291212-20-BLU</b>	+2.00	Blue	Rectangular
<b>291212-25-BLU</b>	+2.50	Blue	Rectangular
<b>291212-30-BLU</b>	+3.00	Blue	Rectangular
<b>291212-35-BLU</b>	+3.50	Blue	Rectangular
<b>291212-40-BLU</b>	+4.00	Blue	Rectangular
<b>291211-10-RED</b>	+1.00	Red	Oval
<b>291211-15-RED</b>	+1.50	Red	Oval
<b>291211-20-RED</b>	+2.00	Red	Oval
<b>291211-25-RED</b>	+2.50	Red	Oval
<b>291211-30-RED</b>	+3.00	Red	Oval
<b>291211-35-RED</b>	+3.50	Red	Oval
<b>291211-40-RED</b>	+4.00	Red	Oval
<b>291212-10-RED</b>	+1.00	Red	Rectangular
<b>291212-15-RED</b>	+1.50	Red	Rectangular
<b>291212-20-RED</b>	+2.00	Red	Rectangular
<b>291212-25-RED</b>	+2.50	Red	Rectangular
<b>291212-30-RED</b>	+3.00	Red	Rectangular
<b>291212-35-RED</b>	+3.50	Red	Rectangular
<b>291212-40-RED</b>	+4.00	Red	Rectangular

## Rimless Reading Glasses:

### Frame Styles Below Frame Colors on Page 22



Rectangle



Oval

291212-BLU

1

291211-RED

1



# Reading Glasses

■ Rimless

## Frame Colors Below Frame Styles on Page 21

2912-BLUE

1



2912-RED

1



2912-SILVER

1



2912-GOLD

1



2912-GUN

1



2912-GREEN

1



# Rimless Reading Glasses

2912

## Rimless Reading Glasses (cont.)

These designer readers are available in a variety of six striking colors and two frame styles. And, since they are offered in seven different magnifications, you'll be able to satisfy a broad range of your patient's needs, especially those who need the 4D power. (Frame styles on page 21)

### Technical Information:

**Lens:** Optical grade plastic with surface coating

**Frame:** Rimless with chrome-plated temples

**Case:** Black leatherette

Product #	Diopter	Color	Frame Style
291211-10-SIL	+1.00	Silver	Oval
291211-15-SIL	+1.50	Silver	Oval
291211-20-SIL	+2.00	Silver	Oval
291211-25-SIL	+2.50	Silver	Oval
291211-30-SIL	+3.00	Silver	Oval
291211-35-SIL	+3.50	Silver	Oval
291211-40-SIL	+4.00	Silver	Oval
291212-10-SIL	+1.00	Silver	Rectangular
291212-15-SIL	+1.50	Silver	Rectangular
291212-20-SIL	+2.00	Silver	Rectangular
291212-25-SIL	+2.50	Silver	Rectangular
291212-30-SIL	+3.00	Silver	Rectangular
291212-35-SIL	+3.50	Silver	Rectangular
291212-40-SIL	+4.00	Silver	Rectangular
291211-10-GOL	+1.00	Gold	Oval
291211-15-GOL	+1.50	Gold	Oval
291211-20-GOL	+2.00	Gold	Oval
291211-25-GOL	+2.50	Gold	Oval
291211-30-GOL	+3.00	Gold	Oval
291211-35-GOL	+3.50	Gold	Oval
291211-40-GOL	+4.00	Gold	Oval
291212-10-GOL	+1.00	Gold	Rectangular
291212-15-GOL	+1.50	Gold	Rectangular
291212-20-GOL	+2.00	Gold	Rectangular
291212-25-GOL	+2.50	Gold	Rectangular
291212-30-GOL	+3.00	Gold	Rectangular
291212-35-GOL	+3.50	Gold	Rectangular
291212-40-GOL	+4.00	Gold	Rectangular
291211-10-GUN	+1.00	Gun Metal	Oval
291211-15-GUN	+1.50	Gun Metal	Oval
291211-20-GUN	+2.00	Gun Metal	Oval
291211-25-GUN	+2.50	Gun Metal	Oval
291211-30-GUN	+3.00	Gun Metal	Oval
291211-35-GUN	+3.50	Gun Metal	Oval
291211-40-GUN	+4.00	Gun Metal	Oval
291212-10-GUN	+1.00	Gun Metal	Rectangular
291212-15-GUN	+1.50	Gun Metal	Rectangular
291212-20-GUN	+2.00	Gun Metal	Rectangular
291212-25-GUN	+2.50	Gun Metal	Rectangular
291212-30-GUN	+3.00	Gun Metal	Rectangular
291212-35-GUN	+3.50	Gun Metal	Rectangular
291212-40-GUN	+4.00	Gun Metal	Rectangular
291211-10-GRN	+1.00	Olive Green	Oval
291211-15-GRN	+1.50	Olive Green	Oval
291211-20-GRN	+2.00	Olive Green	Oval
291211-25-GRN	+2.50	Olive Green	Oval
291211-30-GRN	+3.00	Olive Green	Oval
291211-35-GRN	+3.50	Olive Green	Oval
291211-40-GRN	+4.00	Olive Green	Oval
291212-10-GRN	+1.00	Olive Green	Rectangular
291212-15-GRN	+1.50	Olive Green	Rectangular
291212-20-GRN	+2.00	Olive Green	Rectangular
291212-25-GRN	+2.50	Olive Green	Rectangular
291212-30-GRN	+3.00	Olive Green	Rectangular
291212-35-GRN	+3.50	Olive Green	Rectangular
291212-40-GRN	+4.00	Olive Green	Rectangular

# Foldable Reading Glasses

**FGX-1012189-xxx**

## MicroVision Reading Glasses

MicroVision readers fold down to a compact size, and when unfolded, become full size reading glasses. In a wide range of powers, from +1.50D to +4.00D. Gideon case is included. Free display with purchase of 12.

### Technical Information:

**Lens:** Durable, quality optical-grade plastic

**Frame:** Telescoping temples for easy fold down storage, spring hinge

**Case:** Gideon case is rubberized and crush-proof

Product #	Diopter	Product #	Diopter
<b>FGX-1012189-150</b>	+1.50	<b>FGX-1012189-300</b>	+3.00
<b>FGX-1012189-200</b>	+2.00	<b>FGX-1012189-350</b>	+3.50
<b>FGX-1012189-250</b>	+2.50	<b>FGX-1012189-400</b>	+4.00

### Frame Information:

Product #	Frame Size (mm)	Bridge Size (mm)	Temple Size (mm)
MicroVision	47 mm	20 mm	125 mm

# Private Eyes Multi Focus

**FGX-10155xx-xxx**

## Multi Focus Reading Glasses

Three different strengths in 1 pair of readers means the lens has built-in different magnification zones. Use the same pair of readers for looking across the desk, at the computer, and for reading.

Multi Focus readers feature durable, polycarbonate lenses with a 5-layer anti-reflective (A/R) coating. UV380 protection is included, as well as a sturdy protective carrying case. There are 4 frame styles - 2 for Women (Charlsie and Zera) and 2 for Men (Wes and James). Magnification ranges from +1.00D to +2.75D for each frame style.

### Technical Information:

**Lens:** Durable polycarbonate with A/R coating

**Frame:** 4 different frame styles in a variety of colors

**Case:** Black protective, felt-lined hard case

Product #	Diopter	Frame Style	Color	Frame Features
<b>FGX-1015504-100</b>	+1.00	Zera	Black	Matte black over matte translucent magenta spring hinges.
<b>FGX-1015504-150</b>	+1.50	Zera	Black	
<b>FGX-1015504-175</b>	+1.75	Zera	Black	
<b>FGX-1015504-200</b>	+2.00	Zera	Black	
<b>FGX-1015504-250</b>	+2.50	Zera	Black	
<b>FGX-1015504-275</b>	+2.75	Zera	Black	
<b>FGX-1015505-100</b>	+1.00	Charlsie	Brown	Satin brown, flat metal front, tortoise temples, spring hinges.
<b>FGX-1015505-150</b>	+1.50	Charlsie	Brown	
<b>FGX-1015505-175</b>	+1.75	Charlsie	Brown	
<b>FGX-1015505-200</b>	+2.00	Charlsie	Brown	
<b>FGX-1015505-250</b>	+2.50	Charlsie	Brown	
<b>FGX-1015505-275</b>	+2.75	Charlsie	Brown	
<b>FGX-1015508-100</b>	+1.00	Wes	Gun Metal	Satin gun metal front, w/ black over clear crystal plastic temples, spring hinges.
<b>FGX-1015508-150</b>	+1.50	Wes	Gun Metal	
<b>FGX-1015508-175</b>	+1.75	Wes	Gun Metal	
<b>FGX-1015508-200</b>	+2.00	Wes	Gun Metal	
<b>FGX-1015508-250</b>	+2.50	Wes	Gun Metal	
<b>FGX-1015508-275</b>	+2.75	Wes	Gun Metal	
<b>FGX-1015509-100</b>	+1.00	James	Black	Black over clear crystal plastic frame with gun metal trim, spring hinges.
<b>FGX-1015509-150</b>	+1.50	James	Black	
<b>FGX-1015509-175</b>	+1.75	James	Black	
<b>FGX-1015509-200</b>	+2.00	James	Black	
<b>FGX-1015509-250</b>	+2.50	James	Black	
<b>FGX-1015509-275</b>	+2.75	James	Black	

### Frame Information:

Product Name	Frame Size (mm)	Bridge Size (mm)	Temple Size (mm)
Zera	53 mm	16 mm	135 mm
Charlsie	53 mm	18 mm	135 mm
Wes	54 mm	17 mm	140 mm
James	53 mm	16 mm	140 mm

## FGX-PE2372 Private Eyes Readers Display

Attractive counter-top unit holds 36 pieces. The display is free with the purchase of any 36 Private Eyes readers. Mix and match frames from a wide assortment of single vision and multi focus readers, if desired.

# Reading Glasses

■ Miniature & Multi Focus



**FGX-1012189-xxx**

1

**MicroVision Display**



**Zera Black frame**

1



**Charlsie Brown frame**

1



**Wes Gun metal**

1



**James Black frame**

1



**Private Eyes Display**

# Reading Glasses

■ Premium Readers

Larz

1



Hugh

1



Gracie

1



Tasker

1



Thixie

1



Tigerlilly

1



Private Eyes  
Display



3-piece Reader  
Display



## Private Eyes

### FGX-PExxx-xxx

#### Private Eyes Reading Glasses

High-quality, high-performance readers with a wide variety of fashionable frame styles. Lens material is durable polycarbonate w/ anti-reflective (A/R) coating and UV protection. Handy carrying case included with each pair. Six frame styles to choose from that range in magnification from +1.00D to +2.50D; 2 styles up to +4.00D. Styles below.

#### Technical Information:

**Lens:** Durable polycarbonate with A/R coating

**Frame:** 6 different frame styles in a variety of colors

**Frame Dimensions:** Frame: 45 mm, Bridge: 20 mm, Temple: 145 mm

**Case:** Black leatherette

Product #	Diopter	Frame Style	Color	Frame Features
<b>FGX-PE213-100</b>	+1.00	Gracie	Tortoise/Azura	Full plastic frame with floating lens, gold decor, spring hinges.
<b>FGX-PE213-125</b>	+1.25	Gracie	Tortoise/Azura	
<b>FGX-PE213-150</b>	+1.50	Gracie	Tortoise/Azura	
<b>FGX-PE213-175</b>	+1.75	Gracie	Tortoise/Azura	
<b>FGX-PE213-200</b>	+2.00	Gracie	Tortoise/Azura	
<b>FGX-PE213-250</b>	+2.50	Gracie	Tortoise/Azura	
<b>FGX-PE213-350</b>	+3.50	Gracie	Tortoise/Azura	
<b>FGX-PE213-300</b>	+3.00	Gracie	Tortoise/Azura	Semi-rimless, stainless steel, temples, plastic tips, spring hinges.
<b>FGX-PE213-400</b>	+4.00	Gracie	Tortoise/Azura	
<b>FGX-PE219-100</b>	+1.00	Hugh	Gun Metal	
<b>FGX-PE219-125</b>	+1.25	Hugh	Gun Metal	
<b>FGX-PE219-150</b>	+1.50	Hugh	Gun Metal	
<b>FGX-PE219-175</b>	+1.75	Hugh	Gun Metal	
<b>FGX-PE219-200</b>	+2.00	Hugh	Gun Metal	
<b>FGX-PE219-250</b>	+2.50	Hugh	Gun Metal	
<b>FGX-PE218-100</b>	+1.00	Larz	Black	Spring hinges, full plastic rim.
<b>FGX-PE218-125</b>	+1.25	Larz	Black	
<b>FGX-PE218-150</b>	+1.50	Larz	Black	
<b>FGX-PE218-175</b>	+1.75	Larz	Black	
<b>FGX-PE218-200</b>	+2.00	Larz	Black	
<b>FGX-PE218-250</b>	+2.50	Larz	Black	
<b>FGX-PE218-300</b>	+3.00	Larz	Black	
<b>FGX-PE218-350</b>	+3.50	Larz	Black	Rimless, 3-pc. mount, stainless steel temples, plastic tips.
<b>FGX-PE218-400</b>	+4.00	Larz	Black	
<b>FGX-PE209-100</b>	+1.00	Tasker	Shiny Dark Brown	
<b>FGX-PE209-125</b>	+1.25	Tasker	Shiny Dark Brown	
<b>FGX-PE209-150</b>	+1.50	Tasker	Shiny Dark Brown	
<b>FGX-PE209-175</b>	+1.75	Tasker	Shiny Dark Brown	
<b>FGX-PE209-200</b>	+2.00	Tasker	Shiny Dark Brown	
<b>FGX-PE209-250</b>	+2.50	Tasker	Shiny Dark Brown	Full rim, flat metal frame, engraved temples, spring hinges.
<b>FGX-PE217-100</b>	+1.00	Thixie	Brown on Crystal	
<b>FGX-PE217-125</b>	+1.25	Thixie	Brown on Crystal	
<b>FGX-PE217-150</b>	+1.50	Thixie	Brown on Crystal	
<b>FGX-PE217-175</b>	+1.75	Thixie	Brown on Crystal	
<b>FGX-PE217-200</b>	+2.00	Thixie	Brown on Crystal	
<b>FGX-PE217-250</b>	+2.50	Thixie	Brown on Crystal	
<b>FGX-PE220-100</b>	+1.00	Tigerlilly	Amber Crystal	Satin Brown, full metal rim, plastic temples
<b>FGX-PE220-125</b>	+1.25	Tigerlilly	Amber Crystal	
<b>FGX-PE220-150</b>	+1.50	Tigerlilly	Amber Crystal	
<b>FGX-PE220-175</b>	+1.75	Tigerlilly	Amber Crystal	
<b>FGX-PE220-200</b>	+2.00	Tigerlilly	Amber Crystal	
<b>FGX-PE220-250</b>	+2.50	Tigerlilly	Amber Crystal	

### FGX-PE2372 Private Eyes Display

Attractive counter-top unit holds 36 pieces. Room for 6 pieces in front, 15 pair on each side. The display is free with the purchase of any 36 pieces.

### 2900-907 Compact, Versatile 3-piece Reader Display

Holds 3 pieces of ready-to-wear readers. Extra storage in rear. Holds all Eschenbach readers. The display is free with the purchase of any 10 readers.

1

2

3

4

5

1=easy - 5=requires training

## Headband Magnifier



1648

### Headband Magnifier

Ratcheted hinge on lens cover can be raised or lowered as needed. Interchangeable lenses snap into high grade plastic housing. Headband has adjustable strap and foam lining for greater comfort and ease of fitting.

#### Technical data:

**Frame:** Black ABS plastic with elastic headband

**Lens:** PXM® lightweight lens with cera-tec® coating

Product #	Dpt.	Magnification	Working Distance (mm)	Replacement Lens
1648-17	2.5	1.7x	400	1645-5
1648-20	2.5	2x	250	1645-1
1648-25	5.0	2.5x	180	1645-2
1648-30	7.75	3x	160	1645-3

## Frame for Clip-on lenses

### 1644-504 Frame for Clip-on lenses

#### Special features:

- Lightweight, can be comfortably worn over eyewear
- Discreet, black carrier mounting
- Unrestricted field of view
- Lens positioning can be easily adjusted using quick snap closure

#### Technical data:

**Frame:** Metal frame, matte black finish

**Mount:** Lens clip element made of glass fiber-reinforced plastic.

Order 1644-504 along with one of the 1645 lenses below.



## Clip-on Systems



### 1646 Clip-on lens System

Clip-on magnifiers are designed to provide spectacle wearers with hands-free magnification.

#### Special Features:

- Hands-free
- Fits most eyeglass frames (Bridge: 25 mm, Jaws open 15 mm)
- Lightweight
- Lens is set 2 inches from eye, allowing for a more comfortable working distance
- When not needed, the lens can be flipped up and out of the way
- Lenses are interchangeable for different magnification needs (See order numbers below)

#### Technical Information:

**Lens:** PXM® lightweight lenses with cera-tec® coating

**Clip:** Glass fiber-reinforced plastic

**Note:** Four rubber tips for the clamps are included to protect the wearer's spectacle lenses.

Lens w/ Clip	Lens Only	Dpt.	Magnification	Working Dist. (mm)	Lens Type
1646-17	1645-5	2.5	1.7x	400	Binocular
1646-20	1645-1	2.5	2x	250	Binocular
1646-25	1645-2	5.0	2.5x	180	Binocular
1646-30	1645-3	7.75	3x	160	Binocular
1646-40	1645-4	16	4x	55	Monocular
1646-70	1645-7	28	7x	32	Monocular

### 1647 Diagnostic Kit

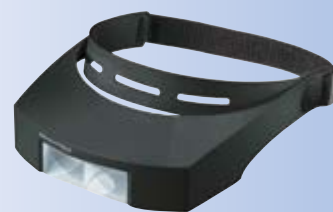
Designed to provide professionals with a complete set of binocular and monocular clip-on lenses and two different lens mounting mechanisms.

#### Contents:

1644-C (display box), 1644-504, 1645-5, 1645-1, 1645-2, 1645-3, 1645-4, 1645-7, 1646-20.

## Spectacle Magnifiers

Head band and Clip-on Systems



1648-17  
1648-20  
1648-25  
1648-30

1



1644-504  
w/lens

1



1646-17  
1646-20  
1646-25  
1646-30

1



1646-40

2

1646-70

3



1645-1, -2,  
-3, -4, -5

1



1645-4

2

1645-7

3



1647

1 2 3 4 5

1=easy - 5=requires training



# Spectacle Magnifiers

■ noves Magnifying Eyewear



*"No one knows that I wear magnifying spectacles."*

1681-03 R or L  
1681-3 R or L

2



Gold Frame

1681-04 R or L  
1681-4 R or L  
1681-05 R or L  
1681-5 R or L

3



Gun Metal Frame

1681-06 R or L  
1681-6 R or L

4



1681-1Kit

1681-KitOU



1697



noves mono



Eschenbach has continued its tradition of innovation with the noves system, the first eyewear ever produced to feature diffractive optical structures to magnify the image for the user. Thanks to years of research and millions of dollars in investments, Eschenbach's noves lenses, at less than 5 mm in thickness, can provide the magnifying power of refractive lenses more than twice as thick and many times the weight. And noves lenses represent the first low vision eyewear that is truly subtle, yet attractive!

**noves mono – the “invisible” magnifier**

## Special Features:

- The new, monocular magnifying eyewear with ultra thin lenses
- The ideal system for monocular near correction
- The attractive and functional frame design means a high degree of acceptance when worn in public
- Orientation above the eyewear is possible due to the half-eye design
- Very lightweight due to the design and the use of diffractive optics

## Technical data:

- Aspheric lenses made of PXM® material with integrated, diffractive structures
- Lens hard-coated on both sides with cera-tec® coating
- Balance lens features frosted finish for occlusion
- Lens thickness is only 4.5 mm
- The noves eyewear weighs only 20 grams
- Frame features spring hinges, adjustable temples, soft nose pads and easily adjustable nose pad arms
- Frame size 41 mm, bridge size 22 mm, temple length 150 mm
- noves eyewear comes in a robust, hardtop case
- Available in either gold or gun metal frames

Product # (Gold)	(Silver)	Diopter	Magnification	Working distance	Optics
<b>1681-3R</b>	<b>1681-03R</b>	12	3x	83 mm	right
<b>1681-3L</b>	<b>1681-03L</b>	12	3x	83 mm	left
<b>1681-4R</b>	<b>1681-04R</b>	16	4x	65 mm	right
<b>1681-4L</b>	<b>1681-04L</b>	16	4x	65 mm	left
<b>1681-5R</b>	<b>1681-05R</b>	20	5x	50 mm	right
<b>1681-5L</b>	<b>1681-05L</b>	20	5x	50 mm	left
<b>1681-6R</b>	<b>1681-06R</b>	24	6x	42 mm	right
<b>1681-6L</b>	<b>1681-06L</b>	24	6x	42 mm	left

## Frame Information:

Product #	Frame Size (mm)	Bridge Size (mm)	Temple Size (mm)
1681	42 mm	23 mm	145 mm

## 1681-1Kit

### Dispensing Kit

Contents: 1 of each of 1681-3R, 1681-3L, 1681-4R, 1681-4L, 1681-5R, 1681-5L, 1681-6R, and 1681-6L. Comes in attractive metal display case.

## 1681-KitOU

A special 4-piece kit containing one each of +12D, +16D, +20D and +24D noves eyewear with lenses mounted OU. For diagnostic purposes only. Comes in attractive metal display case.

## 1697 Diagnostic tray of noves eyewear

Contents: 13 pieces  
1681-3L, 1681-3R, 1681-4L, 1681-4R, 1681-5L, 1681-5R, 1681-6L, 1681-6R, 1682-4, 1682-5, 1682-6, 1682-8, 1682-10. Tray insert 1697-73 and tray base 1895-01 included at no charge with purchase of assortment.



1=easy - 5=requires training

## noves bino – the “invisible” readers

### Special Features:

- New ultra-thin eyewear offering binocular magnification
- The attractive glasses and functional frame mean a high degree of acceptance when worn in public, improving user compliance
- Orientation above the eyewear is possible due to the half-eye design
- Very lightweight due to the design and the use of diffractive optics

### Technical Information:

**Lens:** PXM® material with integrated diffractive surface structures

**Frame:** Spring hinges, adjustable temples, soft nose pads, easily adjustable nose pad arms

**Frame Material:** Nickel-alloy titanium

**Note:** Comes with crush-proof case

Product # (Gold)	(Silver)	Diopter	Working Distance
<b>1682-4</b>	<b>1682-04</b>	4	250 mm
<b>1682-5</b>	<b>1682-05</b>	5	200 mm
<b>1682-6</b>	<b>1682-06</b>	6	165 mm
<b>1682-8</b>	<b>1682-08</b>	8	125 mm
<b>1682-10</b>	<b>1682-010</b>	10	100 mm

### Frame Information:

Product #	Frame Size (mm)	Bridge Size (mm)	Temple Size (mm)
1682	42 mm	23 mm	145 mm

## 1682-2Kit

Contents: 1 of each of +4D, +5D, +6D, +8D, +10D noves bino eyewear.  
Comes in attractive metal display case.

## 1680

### Half-eye Prism Eyewear

For binocular reading, half-eye prism eyewear are ideal. Available in four different powers, these eyewear are stylish and functional.

### Special Features:

- Anti-reflection coated lenses for maximum light transmission
- Attractive gold half-eye frame with spring hinges and soft nose pads
- Case included

### Technical Information:

**Lens:** CR 39

**Frame:** Temple covers slide off; can be cut to shorten length

**Frame Material:** Nickel-alloy titanium frame

**Note:** Prescription correctable. Contact (800) 487-5389.

Product #	Diopter
<b>1680-14</b>	4D w/+6DΔ in
<b>1680-15</b>	5D w/+7DΔ in
<b>1680-16</b>	6D w/+8DΔ in
<b>1680-18</b>	8D w/+10DΔ in
<b>1680-110</b>	10D w/+12DΔ in
<b>1680-1 Kit</b>	One each of the 1680-14, -15, -16, -18, -110

### Frame Information:

Product #	Frame Size (mm)	Bridge Size (mm)	Temple Size (mm)
1680	41 mm	22 mm	145 mm



1682-4  
1682-5  
1682-6

1



1682-8  
1682-10

2



1682-08  
1682-010

2

1682-2KIT



1680-14  
1680-15  
1680-16

1

1680-18  
1680-110

2



*"Now I can order  
for myself again!"*

# Spectacle Magnifiers

■ Prismatic Eyewear

B 2204-4  
B 2204-6

2



B 2204-8  
B 2204-10

2



B 2702-4  
B 2702-6

2



B 2702-8  
B 2702-10

2

2906

4



2906-907



## Premium Prism Eyewear

### B2204 and B2702

#### Premium Prism Eyewear

Premium Prism Eyewear are designed for patients who require higher levels of magnification, but don't want the half-eyes look.

#### Special Features:

- Larger field allows patients to use their peripheral vision
- Choice of two lightweight and stylish metal frames
- Adjustable nose pads and temples for greater comfort
- A/R coated lens for maximum light transmission
- Each pair comes with protective hard case

#### Technical Information:

**Lens:** Injection molded optical plastic with A/R coating

**Frame:** See dimensions below

**Note:** Prescription correctable. Call (800) 487-5389 for details.

Product #	Frame	Power
<b>B 2204-4</b>	Gold	+ 4D w/+ 6DΔ in
<b>B 2204-6</b>	Gold	+ 6D w/+ 8DΔ in
<b>B 2204-8</b>	Gold	+ 8D w/+ 10DΔ in
<b>B 2204-10</b>	Gold	+ 10D w/+ 12DΔ in
<b>B 2702-4</b>	Pewter	+ 4D w/+ 6DΔ in
<b>B 2702-6</b>	Pewter	+ 6D w/+ 8DΔ in
<b>B 2702-8</b>	Pewter	+ 8D w/+ 10DΔ in
<b>B 2702-10</b>	Pewter	+ 10D w/+ 12DΔ in

#### Frame Information:

Product #	Frame Size (mm)	Bridge Size (mm)	Temple Size (mm)
<b>B 2204 (Gold)</b>	47	20	140
<b>B 2702 (Pewter)</b>	46	30	145

## MiniFrame Bifo

### 2906

#### MiniFrame Bifo Prismatic Eyewear

Patients can enjoy two lens powers in one pair of glasses!

#### Special Features:

- Top segment of lens is 3D, bottom is 4.5D, 6D, or 7.5D
- Four different frame colors: Gun Metal, Gold, Blue, and Red
- Protective leatherette case with each pair included

Product #	Diopter	Color	Product #	Diopter	Color
<b>2906-034</b>	3D/4.5D	Gun Metal	<b>2906-234</b>	3D/4.5D	Blue
<b>2906-036</b>	3D/6.0D	Gun Metal	<b>2906-236</b>	3D/6.0D	Blue
<b>2906-037</b>	3D/7.5D	Gun Metal	<b>2906-237</b>	3D/7.5D	Blue
<b>2906-134</b>	3D/4.5D	Gold	<b>2906-334</b>	3D/4.5D	Red
<b>2906-136</b>	3D/6.0D	Gold	<b>2906-336</b>	3D/6.0D	Red
<b>2906-137</b>	3D/7.5D	Gold	<b>2906-337</b>	3D/7.5D	Red

#### Frame Information:

Product #	Frame Size (mm)	Bridge Size (mm)	Temple Size (mm)
2906	50 mm	24 mm	130 mm

**2906-907 Display** A MiniFrame Bifo display is available (holds 3) and is free with the purchase of 6 MiniFrame Bifo's.



1=easy - 5=requires training

## Economy Plus

### B 3000

#### Economy Plus Prism Eyewear

This fashionable eyewear is available in 5 powers. The nickel alloy frame is modern, uni-sex and can be worn as a half-eye or as full-field spectacles.

#### Special Features:

- Spring-hinge temple design can be cut to fit children's size
- Economical price
- Case included with each pair
- Optional foam-lined carrying case available for the 4 piece diagnostic kit (B 3001-Kit contains one each of the following powers: +4D, +6D, +8D and +10D)

#### Technical Information:

**Lens:** CR-39 with scratch resistant coating

**Frame:** Nickel alloy – see dimensions below

Product #	Frame	Power
<b>B 3000-4</b>	Bronze	4D w/ 6DΔ in
<b>B 3000-6</b>	Bronze	6D w/ 8DΔ in
<b>B 3000-8</b>	Bronze	8D w/ 10DΔ in
<b>B 3000-10</b>	Bronze	10D w/ 12DΔ in
<b>B 3000-12</b>	Bronze	12D w/ 14DΔ in
<b>B 3001-Kit</b>	Bronze	One of each pair +4D, +6D, +8D, +10D

#### Frame Information:

	Frame Size (mm)	Bridge Size (mm)	Temple Size (mm)
<b>B 3000s</b>	42	18	145



**B 3000-4**

2

**B 3000-6**

2

**B 3000-8**

2

**B 3000-10**

2

**B 3000-12**

2

## Microscopes

### UniVision® from Unilens®

The UniVision® lens is a 22mm round, lightweight, high plus lens that forms a microscopic system when mounted on a spectacle lens. The simple adhesive application allows the eyecare professional to permanently mount the lens directly onto the patient's spectacles in a matter of seconds. The UniVision® lens can be applied in any position and the lens power can be upgraded or downgraded as necessary.

Kit includes: 10 UniVision® lenses: 6D, 8D, 10D, 12D, 16D, 20D, 24D, 28D, 32D, 36D; 1 applicator kit; 6 trial frame carriers: 8D, 10D, 12D, 16D, 20D, 24D; 1 suction cup.

Product #	Description	Contents
<b>UN-910-1002</b>	UniVision® Kit	10 lenses, 6 trial frame lenses, 1 applicator kit
<b>UN-910-005</b>	Applicator Kit	3 Tape Rings, 1 suction cup, 1 Tape applicator
<b>UN-910-501</b>	Tape Rings	Package of 5
<b>UN-910-006 through UN-910-040</b>		Additional Lenses Lens # 6, 8, 10, 12, 16, 20, 24, 28, 32, 36, 40



**UN-910-1002**

5





DVC-4521

4



## Spectacle Magnifiers with ClearImage II® Lenses

Eschenbach Spectacle Magnifiers offer Designs for Vision, Inc.'s ClearImage II® lenses in a fashionable, adjustable frame. These spectacle magnifiers are ideal for patients who wish to engage in extended viewing tasks requiring high magnification, especially with hands-free usage. They are also ideal for prismatic eyewear users who find they need to use a higher magnification due to the diminished acuities resulting from disease progression.

### Special Features:

- Distortion-free viewing from edge to edge
- Lightweight frame with wire bridge and temples
- Offered in a uni-sex gun metal frame
- Available in 7 powers from 8D to 32D

### Technical Information:

**Lens:** ClearImage II® lens (35 mm dia.) is made of hi-index glass with anti-reflection coating in a patented doublet lens design

**Frame:** See dimensions below

**Note:** All ClearImage II® Spectacle magnifiers from Eschenbach are prescription correctable. Contact our Customer Service Department at (800) 487-5389 for details. For diagnostic purpose, OU versions can also be ordered. Please contact our Customer Service Department for more information.

### Spectacle Magnifiers

Frost Frame	Eye	Power
<b>DVC-4521-08-OD</b>	Right	8D (2x)
<b>DVC-4521-08-OS</b>	Left	8D (2x)
<b>DVC-4521-12-OD</b>	Right	12D (3x)
<b>DVC-4521-12-OS</b>	Left	12D (3x)
<b>DVC-4521-16-OD</b>	Right	16D (4x)
<b>DVC-4521-16-OS</b>	Left	16D (4x)
<b>DVC-4521-20-OD</b>	Right	20D (5x)
<b>DVC-4521-20-OS</b>	Left	20D (5x)
<b>DVC-4521-24-OD</b>	Right	24D (6x)
<b>DVC-4521-24-OS</b>	Left	24D (6x)
<b>DVC-4521-28-OD</b>	Right	28D (7x)
<b>DVC-4521-28-OS</b>	Left	28D (7x)
<b>DVC-4521-32-OD</b>	Right	32D (8x)
<b>DVC-4521-32-OS</b>	Left	32D (8x)

### Frame Information:

	Frame Size (mm)	Bridge Size (mm)	Temple Size (mm)
<b>DVC-4521F</b>	45	21	150

## Max Family of Galilean Systems

### Special Features:

Galilean telescopes are hands-free, lightweight optical systems that offer a clear, bright, magnified image. They have wire-bendable temples for a secure fit. Ideal for extended viewing tasks such as watching TV, sporting events, movies, bird watching; or for reading.

### 1624-11 MaxTV® (for distance)

#### Special Features:

- Flexible plastic temples
- Frosted objective lens housing eliminates distracting reflections
- Molded nose-bridge with no sharp edges

#### Technical Information:

**Magnification:** 2.1x

**Lens Size:** 32 mm

**Lens Material:** PXM® Plastic

**Lens Adjustment:** Each lens dial allows adjustment +/- 3D for spherical correction or to allow for a change in focal length

**Temple Length:** 135 mm; **Bridge:** Open saddle

**Frame Size:** 137 mm; **Focal Range:** 10 feet to infinity

**Visual Field:** 20 degrees; **PD Range:** 60 - 68 mm

**Weight:** 1.7 ounces or 49 grams

**Case:** Sturdy, protective, zippered case included

**Case Material:** Framed nylon with zipper



1624-11

1



### 1624-4 MaxTV® Clip (for distance)

#### Special Features:

- Telescopic system that attaches to almost any eyewear
- Magnifies objects that are approximately 10 feet away, ex. TV
- Lens can be placed in 5 different positions to achieve optimal line of sight
- MaxTV® Clip can be flipped up and out of the way when not needed

#### Technical Information:

**Magnification:** 2x

**Focal Range:** 10 feet to infinity

**Visual Field:** 18 degrees; **PD Range:** 60 - 68 mm

**Weight:** 1 ounce or 28.6 grams

**Case:** Sturdy, protective, zippered case included



1624-4

1



### 1624-31 MaxEvent (for distance)

#### Special Features:

- Tint filters out light below 390 nm
- Objective lenses feature mirror coating
- Flexible plastic temples
- Frosted objective lens housing eliminates distracting reflections
- Molded nose-bridge with no sharp edges

#### Technical Information:

**Magnification:** 2.1x

**Lens Size:** 32 mm

**Lens Material:** PXM® Plastic with mirrored coating

**Lens Adjustment:** Dial adjusts for +/- 3D for spherical correction

**Temple Length:** 135 mm; **Bridge:** Open saddle

**Frame Size:** 137 mm; **Focal Range:** 10 feet to infinity

**Visual Field:** 20 degrees; **PD Range:** 60 - 68 mm

**Weight:** 1.7 ounces or 49 grams

**Case:** Sturdy, protective, zippered case included

**Case Material:** Framed nylon with zipper



1624-31

1



# Telescopes

Galilean

1624-51

1



1624-6

1



1636-2

1636-3

1636-4

4



## 1624-51 MaxDetail (for near)

### Special Features:

- Flexible plastic temples and objective lens housing
- Molded nose-bridge with no sharp edges

### Technical Information:

**Magnification:** 2x; **Lens Size:** 32 mm

**Lens Material:** PXM® Plastic

**Lens Adjustment:** Dial adjusts for +/- 3D for spherical correction

**Temple Length:** 135 mm; **Bridge:** Open saddle

**Frame Size:** 137 mm; **Working Distance:** 16 inches

**Visual Field:** 20 degrees; **PD Range:** 60 - 68 mm

**Weight:** 1.7 ounces or 49 grams

**Case:** Sturdy, protective, zippered case included

**Case Material:** Framed nylon with zipper

## 1624-6 MaxDetail Clip (for near)

The MaxDetail Clip is a telescopic magnification solution that attaches to prescription eyewear. (Note: Glasses not included)

### Technical Information:

**Magnification:** 2x; **Field of View:** 13 degrees

**PD Range:** 62-70 mm

**Weight:** 0.8 ounces or 23 grams

Choice of 5 lens heights allows an optimum line of sight

**Case:** Sturdy, protective, zippered case included

**Case Material:** Framed nylon with zipper

## Other Galilean Systems

### Galilean Systems for Near

#### Special Features

Eschenbach Galilean telescopes for near are small, lightweight optical systems that offer a bright image. They consist of a positive objective lens and a negative ocular lens, and are ideal for extended viewing tasks.

### 1636 Series

#### Binocular System for Near

##### Special Features:

- Unique adjustable frame allows the system to be used THAT DAY! No lab required!
- Adjustable bars for the pupillary distance can be locked in place simply by tightening the screws and using the included lockwasher
- Frame features cold bend wire-core temples (150 mm in length) and an adjustable saddle bridge

##### Technical Information:

**Magnification:** 2.5x, 3x, 4x (Spherical correction of +/- 5D)

**PD Range:** 54 to 74 mm

**Lens:** Achromatic objective, coated, 23 mm diameter

**Frame:** Black plastic, reinforced with fiberglass

**Weight:** 70 grams

**Case:** Simulated leather zippered case, included

**Rx:** Ocular side Rx can be added. Order 1622-1 for pattern and mounting tape. Contact our Customer Service Department at (800) 487-5389 for custom Rx service.

Product #	Magnification	Field of View	Working Distance (mm)	Style
1636-2	2.5x	15.0°	75-350	Binocular
1636-3	3x	12.5°	45-200	Binocular
1636-4	4x	8.0°	35-250	Binocular

See page 66 for more technical information.

# Telescopes

Galilean

## Galilean Systems for Distance

### Special Features:

Eschenbach Galilean telescopes for distance feature small, lightweight optical systems that offer a bright image. They consist of a plus objective lens and a minus ocular lens. (See page 66 for more technical information.)

## 1634 Series

### Binocular Galilean System for Distance

#### Special Features:

- Unique adjustable frame allows the system to be fitted immediately so it can be used THAT DAY! No lab required!
- Adjustable bars for pupillary distance can be locked by turning the screws
- Frame features cold bend wire-core temples (150 mm in length) and an adjustable saddle bridge which can be adjusted vertically for height as well as width

## 1634

#### Technical Information:

**Magnification:** 3x (Spherical correction of +/- 5D)

**Visual Field:** 160 m/1000 m\* (9.5°)

**Focus Range:** From 70 cm to infinity

**PD Range:** 54 to 74 mm

**Lens:** Achromatic objective, coated, 23 mm diameter

**Frame:** Black plastic, reinforced with fiberglass

**Weight:** 70 grams

**Case:** Simulated leather zippered case, included

**Rx:** Ocular side Rx can be added. Order 1622-1 for pattern and mounting tape. Contact Customer Service Dept. (800) 487-5389 for Rx service.



1634

1634-4

4

## 1634-4

#### Technical Information:

**Magnification:** 4x (Spherical correction of +/- 5D)

**Visual Field:** 130 m/1000 m\* (7.5°)

**Focus Range:** From 78 cm to infinity

**PD Range:** 54 to 74 mm

**Lens:** 3-lens, multi-coated achromatic objective

**Frame:** Black plastic, reinforced with fiberglass

**Weight:** 70 grams

**Case:** Simulated leather zippered case, included

**Rx:** Ocular side Rx can be added. Order 1622-1 for pattern and mounting tape. Contact Customer Service at (800) 487-5389 for Rx service.

\*Figures for field of view are average values. Field will vary depending on the distance from the eye to the eyepiece.



BE-525

BE-730

5

## Mirage Telescopes

### Eschenbach Mirage Telescopes - BE-525, BE-730 and BE-731

Eschenbach offers the Mirage 5.5x and 7x telescopes in a binocular as well as a monocular design for patients who require high levels of magnification for extended distance viewing. Mirage telescopes provide superior optics via anti-reflective coated lenses, adjustable frames reinforced with fiber glass, and high-resolution mirrors. Each telescope can be focused from 6' to infinity, and each has a protective carrying case.

#### Technical Information:

##### BE-525 Telescopes:

**Magnification:** 5.5x

**Field of View:** 11°

**PD Range:** 54-64 mm and 50-74 mm

**Weight:** Monocular style: 2.5 oz.

Binocular style: 3.5 oz.

##### BE-730 and BE-731 Telescopes:

**Magnification:** 7x

**Field of View:** 9°

**PD Range:** 54-64 mm and 50-74 mm

**Weight:** Monocular style (BE-731): 3 oz. Binocular style (BE-730): 4.5 oz.

#### Frame Information:

Product #	Frame Size (mm)	Bridge Size (mm)	Temple Size (mm)
BE-525	33 mm	13 mm	150 mm
BE-730	33 mm	13 mm	150 mm



BE-525 OD

BE-525 OS

5

BE-731 OD

BE-731 OS

5



## Wide-field Galilean Telescope



1623

4



### 1623 Wide-field Galilean Telescope

This monocular telescope is ideal for distance tasks like watching TV and for near tasks like reading, when used with a reading cap. Made with diffractive optics technology, the 1623 telescope provides an astounding 22 degrees field of view and does so at only 17 grams in weight making it an ideal mounted telescope.

#### Special Features:

- Very lightweight
- Wide field of view
- Accommodates snap-on, hinged reading caps that can be flipped-up out of the way
- Designed for mounting (in spectacles or ESCHENBACH's adjustable 1631 frame - see pg. 40) or for use with a finger ring (see pg. 36).
- No focusing required
- Can be prescription corrected-call Customer Service at: (800) 487-5389
- Aspherical PXM® lightweight lens, 42 mm in diameter
- Objective and ocular lenses have A/R coating

#### Technical information:

**Magnification:** 2x

**Visual Field:** 22°

**Housing:** Gray plastic

**Weight:** 18 grams (25 grams with reading cap)

#### Accessories:

##### Snap-on Reading Caps

<b>1623-0</b>	Frosted lens	
<b>1623-3</b>	Attachment lens	3D
<b>1623-4</b>	Attachment lens	4D
<b>1623-5</b>	Attachment lens	5D
<b>1623-6</b>	Attachment lens	6D
<b>1623-8</b>	Attachment lens	8D
<b>1623-10</b>	Attachment lens	10D
<b>1623-12</b>	Attachment lens	12D
<b>1623-01</b>	Reading Cap Ring	



Product #	Magnification	Working distance	Field of view*
<b>1623-0</b>	2.0x	∞	380m/1000 mm
<b>1623 + 1623-3</b>	1.5x	330 mm	130 mm
<b>1623 + 1623-4</b>	2.0x	250 mm	100 mm
<b>1623 + 1623-5</b>	2.5x	200 mm	80 mm
<b>1623 + 1623-6</b>	3.0x	167 mm	66 mm
<b>1623 + 1623-8</b>	4.0x	120 mm	48 mm
<b>1623 + 1623-10</b>	5.0x	100 mm	40 mm
<b>1623 + 1623-12</b>	6.0x	83 mm	34 mm

\*Figures for field of view are average values. Field will vary depending on the distance from the eye to the eyepiece.

More technical data on page 66.

### 1630 Test Kit

With the contents of this kit, you can test most adjustments for far and near.

Contents:

- 2 x 1623 with trial frame rings attached
- 1 each x 1623-0, 1623-3, 1623-4, 1623-5, 1623-6, 1623-8, 1623-10, 1623-12

1623-0

1623-3

1623-4

1623-5

1623-6

1623-8

1623-10

1623-12

4



1630

4

# Telescopes

Galilean

## 1621 Galilean Telescope

### Galilean 2.2x Afocal Telescope System

#### Special Features:

- Lightweight and cosmetically appealing
- Reading caps allow for near vision tasks
- Designed for mounting (in spectacles or ESCHENBACH's adjustable 1631 frame - see pg. 40) or for use with a finger ring (see pg. 36).
- Modular-linseatic system has been calculated and designed to largely eliminate chromatic aberration
- Can be prescription corrected. Contact our Customer Service Department at (800) 487-5389.

#### Technical Information:

- **Magnification:** 2.2x
- **Field of view:** 14°, 250 m/1000 m
- **Housing:** Black plastic
- **Weight:** 16 grams
- **Miscellaneous:** Can be used for near tasks using 1621 reading caps (in powers of 3D to 16D)
- **Rx:** Ocular side Rx can be added. Order 1622-1 for Rx carrier and mounting tape. Or contact our Customer Service Department at (800) 487-5389 for Rx service.



1621

4

### Reading Caps for 1621, 1622-5 and 1673s\*

Product #	Power of Cap	Magnification with Cap	Field (1621) degrees	Working Distance (mm)
1621-0	Occluder			
1621-3	+3D	1.65x	12°	330
1621-4	+4D	2.2x	12°	250
1621-5	+5D	2.75x	12°	200
1621-6	+6D	3.3x	12°	167
1621-8	+8D	4.4x	12°	120
1621-10	+10D	5.5x	12°	100
1621-12	+12D	6.6x	12°	83
1621-16	+16D	8.8x	12°	63



1621-0

1621-3

1621-4

1621-5

1621-6

1621-8

1621-10

1621-12

1621-16

4

\*Note: 1673s require an adapter to use the reading caps. For the 1673-1 and 1673-2, use the 1673-02 adapter. For the 1673-3 and 1673-4, use the 1673-03 adapter (see page 36 for 1673s).



## 1622-5 Galilean Telescope

#### Special Features:

- Afocal Galilean Telescope adds higher power of 2.5x in Galilean line
- Fills magnification gap between 2.2x Galilean telescope and 2.8x Keplerian telescope (1673-1)
- Telescope is light in weight
- Ideal for mounting into eyewear
- Can be prescription corrected. Contact our Customer Service Department at (800) 487-5389.
- Lenses have A/R coating

#### Technical Information:

- **Magnification:** 2.5x
- **Field of View:** 13°
- **Housing:** Black plastic
- **Weight:** 11 grams
- **Mounting:** Can be mounted using Eschenbach's Telescope Mounting Service
- **Miscellaneous:** Can be used for near tasks using 1621 reading caps (in powers of 3D to 16D)
- **Rx:** Ocular side Rx can be added. Order 1622-1 for Rx carrier and mounting tape. Or contact our Customer Service Department at (800) 487-5389 for Rx service.



1622-5

4



## 1673 Keplerian Telescopes

### 1673 Series - Keplerian Telescopes

#### Special Features:

The Keplerian series is unique in that the telescopes can be used in a variety of ways:

- Can be used for distance, intermediate and near use
- Unlimited working distances by simply adjusting the focus (from 20 cm to infinity)
- Can be used as a hand-held spotting telescope
- Can be easily mounted in the Eschenbach 1631 frame to do hands-free tasks (see page 40)
- Can be used with 1671-1 finger ring support (see below)
- Can be used with Eschenbach's reading caps using either the 1673-02 adapter (for 1673-1 and 1673-2) or the 1673-03 adapter (for 1673-3 and 1673-4)
- This telescope can be prescription corrected. Contact our Customer Service Department at (800) 487-5389.

#### Technical Information:

**Lens:** Achromatic glass lens, multi-coated, integrated miniature roof-prism

**Housing:** Brushed metal/rubber grip

**Rx:** Ocular-side Rx can be added. Order 1622-1 for Rx carrier and mounting tape

**Case:** Comes with soft black case with zipper closure and carrying cord

**Note:** Unscrew eyepiece to mount in 1631 frame or lens

1673-1

1673-2

3



1673-3

1673-4

3



1673-02

1673-03



1671-1

1



#### 1671-1 Finger Ring

The 1671-1 Finger Ring adds support for those who use the 1673 series frequently as a hand-held monocular. The 1673 monoculars mount on the Finger Ring in similar fashion to the 1631 frame above. Also holds the 1621, 1622-5, 1623 monoculars.

Product #	Magnification	Visual Fields	Detree of Field	Objective Lens Diameter
1673-1	2.8 x Dist	220/1000 m	12.5°	9 mm
	3.4 x Near	26/150 mm	10°	
1673-2	4.2 x Dist.	175/1000 m	10°	10 mm
	5.5 x Near	25/200 mm	7.2°	
1673-3	4.2 x Dist.	220/1000 m	12.5°	12 mm
	5 x Near	32/200 mm	9.2°	
1673-4	6 x Dist.	175/1000 m	8°	16 mm
	7.6 x Near	26/250 mm	6.0°	

See page 66 for more technical information.

# Telescopes

■ Keplerian

## 1632 Diagnostic Testing Kit

The 1632 kit is designed for diagnostic testing of visually impaired patients. The kit comes complete with trial frame adapters attached to the (2) 1621, and (1) 1622-5 telescopes for easy testing. Also included are reading caps to adapt the telescopes for near tasks.

### 1632 Contents:

<b>1621</b>	Galilean 2.2x (2 pcs.)
<b>1622-5</b>	Galilean 2.5x
<b>1673-1</b>	Keplerian monocular 2.8 x 9
<b>1673-2</b>	Keplerian monocular 4.2 x 10
<b>1673-3</b>	Keplerian monocular 4.2 x 12
<b>1673-4</b>	Keplerian monocular 6 x 16
<b>1619</b>	Trial frame adapters (6 pcs., of which 4 are fitted)
<b>1671-1</b>	Finger ring
<b>1673-02</b>	Adapter for 1673-1 and 1673-2
<b>1673-03</b>	Adapter for 1673-3 and 1673-4
<b>1621-0</b>	Clear lens
<b>1621-3</b>	Reading cap 3D
<b>1621-4</b>	Reading cap 4D
<b>1621-5</b>	Reading cap 5D
<b>1621-6</b>	Reading cap 6D
<b>1621-8</b>	Reading cap 8D
<b>1621-10</b>	Reading cap 10D
<b>1621-12</b>	Reading cap 12D
<b>1621-16</b>	Reading cap 16D

## 1632-1 Galilean Diagnostic Kit

Same as the 1632 but without the Keplerian monoculars.

## 1632-2

Empty Diagnostic Kit.

## 1695

### Diagnostic Tray of Telescopes

Contents: 11 Pieces

1624-11, 1624-51, 1624-6, 1631, 1634, 1634-4, 1636-3, 1671-1, 1673-1, 1673-2, 1673-3. Tray insert 1695-13 and tray base 1895-01 included at no charge, with purchase of assortment.



1632



1632-1



1695

## Magno Monoculars

### KS-Txxx

#### Magno Monoculars in 4 Powers

Magno Monoculars are available in 4 powers: 3x, 4x, 6x, and 8x. Each Magno Monocular comes with a black storage case (with a built-in belt loop), a wrist/neck lanyard 8" in length and a cleaning cloth.

The 4x, 6x, and 8x also include protective end caps. Each Magno Monocular can be mounted into the Eschenbach Trial Frame (#1631) or Finger Ring (#1671-1).

Product #	Magnification	Visual Fields	Degree of Field	Objective Lens Dia.
<b>KS-T320</b>	3x	145/1000 m	8°	20 mm
<b>KS-T412</b>	4x	160/1000 m	9°	12 mm
<b>KS-T616</b>	6x	145/1000 m	8°	16 mm
<b>KS-T821</b>	8x	100/1000 m	6°	21 mm



KS-Txxx

2





# Telescopes

■ Keplerian

1674-820

4



1674-832

4



4293-616

4293-816

3



4292-8212

3



## Monocular Telescopes

### Prism Monoculars 1674-820 and 1674-832

#### Special Features:

These prism monoculars are the finest made and can be used in a variety of ways:

- First, as a hand-held telescope to detect details at a distance such as street names, house numbers, or road signs
- Second, as a hand-held microscope for close-up (short focus) viewing
- Third, as a stand microscope of up to 25x

### 1674-820

#### Technical Information:

**Magnification as Telescope:** 8x

**Visual Field:** 125 m/1000 m, 7°

**Focus Range:** 30 cm to infinity

**Magnification as Microscope:** 25x

**Stand Magnifier Included:** 3x

**Lens:** Achromatic, multi-coated, roof prism system

**Lens Size:** 20 mm diameter

**Housing:** Light-metal

**Case:** Black leather protective case included

### 1674-832

#### Technical Information:

**Magnification as Telescope:** 8x

**Visual Field:** 140 m/1000 m, 8°

**Focus Range:** 70 cm to infinity

**Magnification as Microscope:** 25x

**Stand Magnifier Included:** 3x

**Lens:** Achromatic, multi-coated, roof prism system

**Lens Size:** 32 mm diameter

**Housing:** Light-metal

**Case:** Black leather protective case with belt loop included

### 4293 One-handed Slide Focus Telescopes

This innovative line of monocular Keplerian telescopes provides a unique panoramic field of view and is available in a choice of two different magnifications. All of the monocular telescopes feature the unique slide-focus mechanism designed for single-hand use. Case included. Limited 5-year warranty.

#### Special Features:

- Simple slide-focus mechanism can be used with one hand
- Unique rectangular Keplerian design provides a panoramic field of view
- Rubber coated for protection and durability

#### Technical Information:

**Magnification:** 6 x 16, or 8 x 16

**Weight:** 64 grams

**Visual Field:** 8° or 7°

**Focus Range:** 1m to infinity

**Case:** Included

Product #	Magnification	Degrees of Field
4293-616	6x	8°
4293-816	8x	7°

### 4292-8212

#### Special Features:

- Unique Porro design
- Folds down to only 2 3/4" x 1 7/8" x 1"
- Porro design minimizes the effect of tremors on image
- Rugged exterior with rubberized, dimpled coating

#### Technical Information:

**Magnification:** 8 x 21

**Weight:** 73 grams

**Visual Field:** 6.4°

**Focus Range:** 1.5m to infinity

**Case:** Included



1=easy - 5=requires training

# Telescopes

## ■ Keplerian, Binoculars

### 4294-413 Microlux 4x13

Designed for single-hand use, this monocular telescope is ideal for museums, sporting events and many other leisure activities. Squeeze the casing once and the Microlux expands for use. Squeeze it again and it retracts into its protective case. Additionally, if used in reverse, the Microlux acts as a field expander, ideal for those with restricted visual fields. Limited 5-year warranty.

#### Special Features:

This telescope offers a compact design-only 48 mm x 25 mm x 38 mm when closed. It is designed to open by simply squeezing the device with the thumb and forefinger and the closing mechanism requires just a single squeeze. Designed for single-handed use, it fits easily in pocket or purse. It has a rubber exterior at the grip that prevents slipping, and its fully coated optics provide a bright image.

#### Technical Information:

**Magnification:** 4 x 13

**Weight:** 46 grams

**Visual Field:** 13°

**Focus Range:** 10 feet to infinity (fixed focus)

**Case:** Includes case and wrist strap

**Size-Open/Closed:** Length: approx. 2 in.; Width: approx. 1 in.; Height: 2 in. when opened, 1.25 in. when closed



4294-413

2



### 4294-618 Microlux 6x18

#### Special Features:

Your patients will love the Microlux 6x18 for its easy use, compact size, and excellent functionality. The simple opening mechanism is designed for single-handed use, and the rubber exterior at gripping points ensures a secure, non-slip grasp. This monocular telescope is ideal for use at museums, sporting events, bird watching, or reading far away signs. It is portable, fits easily into a pocket or purse, and is especially convenient for low vision applications because it provides 6x magnification with a touch of the finger. When not in use, it easily slips back into its protective case. Limited 5-year warranty.

#### Technical Information:

**Magnification:** 6 x 18

**Weight:** 78 grams

**Visual Field:** 8°

**Focus Range:** 10 feet to infinity (semi-focusable)

**Case:** Includes a carrying strap and lightweight carrying case

**Size-Open/Closed:** Length: approx. 3 in.; Width: approx. 1 in.; Height: 2.4 in. when open, 1.6 in. when closed.



4294-618

3

## ■ Compact Binoculars

### 8416-26152 Viva Festival Binocular

#### Special Features:

This compact binocular is ideal for music and other cultural events and particularly suitable for outdoor use. It will magnify images and details 6 times for high quality performance and is appropriate for all age groups. Ultra light and incredibly easy to use, it has a protective metallic color casing and an attractive flat, sleek design. Wrist strap and belt bag included.

#### Technical Information:

**Magnification:** 6x

**Visual Field:** 157 m/1000 m, 9°

**Weight:** 203 grams or 7.1 ounces

**Objective Lens:** 15 mm



8416-26152

2

### 84156-8212 Lightweight Keplerian Telescopes

#### Special Features:

Compact and lightweight binoculars are ideal for low vision applications as well as sporting and recreational use. Features include multi-coated lenses, reverse Porro prisms, semi-internal focus, diopter adjustment, carrying case, and strap. Rubber eyepieces fold back for use by spectacle wearers. Cleaning cloth included.

#### Technical Information:

**Magnification:** 8 x 21

**Visual Field:** 123 m/1000 m, 7°

**Weight:** 168 grams or 5.9 oz.

**Objective Lens:** 21 mm



84156-8212

2



1=easy - 5=requires training

# Telescopes

## Binoculars, Telescope Carrier Systems

4229-1

2



4230-618

2



1693-4916  
1693-5116  
1693-5218

1



1631

4



## Compact Binoculars

### Vektor Group

#### Special Features:

The Vektor Group combines impressive features with notable aesthetics. Compact Porro optics, full multi-coating lenses, and BaK-4 roof prisms provide sharp images with high color fidelity, and are compact enough to fit in pocket or purse to go anywhere you go.

All Vektor binoculars come with with a protective belt bag, lens caps, and carrying cord. Limited 5-year warranty.

#### 4229-1 Vektor 5-15 x 21

**Magnification:** 5x-15x

**Visual Field:** 105-52 m/1000 m

**Weight:** 6.4 oz.

**Objective Lens:** 21 mm

#### 4230-618 Vektor Pocket 6 x 18

**Magnification:** 6x

**Visual Field:** 131 m/1000 m

**Weight:** 8 oz.

**Objective Lens:** 18 mm

## Telescope Carrier Systems

### 1693 Carrier Frame

#### Special Features:

This frame is designed for mounting Eschenbach's Galilean and Keplerian monocular telescopes. The unisex frame is made of titanium and nickel and has spring-hinged temples. The lens includes a grid that makes marking even easier. The frame is available in 3 sizes and includes a soft saddle bridge nose pad.

#### Frame Information:

Product#	Frame Size (mm)	Bridge Size (mm)	Temple Size (mm)
1693-4916	49	16	150
1693-5116	51	16	150
1693-5218	52	18	150

### 1631 Frame

#### Special Features

Designed to offer more flexibility to users of the 1621, 1622-5, 1623, and the 1673 series of telescopes, the 1631 frame allows users to easily mount their monocular telescope and use it as a hands-free vision aid. This is especially useful when watching TV or reading for extended periods of time. Wearers will appreciate the adjustable bridge, pupillary distance, and temples that allow for a perfect and comfortable fit every time!

#### Technical Information:

**Frame:** Black, fiberglass-reinforced plastic

**PD Range:** 54 to 74 mm

**Bridge:** Adjustable plastic saddle bridge, adjusts vertically for height as well as width

**Temples:** Black plastic with wire core, cold bend temples

**Case:** Comes w/occluder, leather case and strap

**Weight:** 35 grams

#### Frame Information:

Product #	Frame Size (mm)	Bridge Size (mm)	Temple Size (mm)
1631	21mm	20mm	150mm

1

2

3

4

5

1=easy - 5=requires training

## Diagnostic Galilean Telescope Kit

### DVI-TSKit

Eschenbach partnered with Designs for Vision, Inc. (DVI) to create this diagnostic kit of customized Galilean telescopes and test frames. The kit includes 6 telescopes that have been specially designed to snap easily into one of the 4 available test frames. The kit can help you determine the optimum mounted telescope solution for your patients and demonstrate it to them without the hassle of trial frames! The kit includes:

- 3 Focusable DVI Spiral Galilean Telescopes in powers of 2.2x, 3x, and 4x
- 2 DVI Bioptic Telescopes (1 round, 1 rectangular, both 2.2x)
- 1 DVI Afocal Full Diameter Telescope (2.2x)
- 2 specially-adapted Eschenbach 1631 frames for full diameter testing
- 2 Nickel allergy-free titanium Eschenbach Frames (1693) pre-drilled for bioptic testing
- 2 Trial frame carriers
- 2 Sets of replacement springs
- 2 occluders (1 small, 1 large)

This Diagnostic Galilean Telescope kit is perfect for low vision practitioners who want to expand their practice into custom-mounted telescopic solutions for their patients. Bioptic combinations can be identified that assist low vision patients in viewing magnified distant objects while allowing them to use their spectacle prescription for near. The convenient "snap-in, snap-out" mechanisms allow you to quickly demonstrate to your patients the functionality and appearance of a custom mounted telescope before ordering!

**Note: These telescopes can only be purchased with the spring-connect mechanism or as a finished mounted job (to be used as part of the Diagnostic Kit).**

### DVI-TSKit Telescope Information

These telescopes feature the highest quality glass optics and are easy to fit in full-diameter or bioptic positioning due to their Galilean design. Once the optimal telescope is identified, you can then order this telescope. The kit includes:

#### DVI-2.2 BIO 1

2.2x Bioptic Galilean Telescope for Distance (Afocal)

**Magnification:** 2.2x

**Field of view:** 12 degrees

**Range of focus:** Infinity

#### DVI-2.2 BIO 2

2.2x Bioptic Galilean Telescope for Distance (Afocal)

**Magnification:** 2.2x

**Field of view:** 11 degrees

**Range of focus:** Infinity

#### DVI-2.2 FDTS

2.2x Full Diameter Galilean Telescope for Distance (Afocal)

**Magnification:** 2.2x

**Field of view:** 16 degrees

**Range of focus:** Infinity

#### DVI-2.2 SGTS

2.2x Spiral Galilean Telescope for Distance (Focusable)

**Magnification:** 2.2x

**Field of view:** 11 degrees

**Range of focus:** 12" to infinity

#### DVI-3.0 SGTS

3.0x Spiral Galilean Telescope for Distance (Focusable)

**Magnification:** 3.0x

**Field of view:** 8 degrees

**Range of focus:** 8" to infinity

#### DVI-4.0 SGTS

4.0x Spiral Galilean Telescope for Distance

**Magnification:** 4.0x

**Field of view:** 6 degrees

**Range of focus:** 8" to infinity

Contact Eschenbach at (800) 487-5389 to learn how to order a prescription corrected telescope system!



DVI-TSKit

1693 w/  
DVI-3.0  
SGTS



DVI-2.2 BIO1

5



DVI-2.2 BIO2

5



DVI-2.2 FDTS

5



DVI-2.2 SGTS

5



DVI-3.0 SGTS

5



DVI-4.0 SGTS

5



# Absorptive Filters

■ Solar Shields®, SolarComforts®

Lg TAE24354  
Med TAE27104  
Sm TAE25354

1



Orange

Lg TAE24353  
Med TAE27102  
Sm TAE25353

1



Amber

Lg TAE24357  
Med TAE27103  
Sm TAE25357

1



Yellow

Lg TAE2435P  
Med TAE2735P  
Sm TAE2535P

1



Plum

Lg TAE24150  
Med TAE27101  
Sm TAE25150

1



Gray

TAE-6V55C52T

1



Orange

TAE-6V55C58T

1



Amber

TAE-6V55C5YT

1



Yellow

TAE-6V55C5PT

1



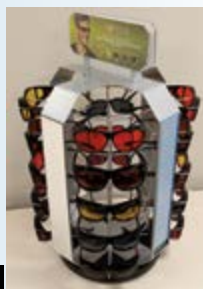
Plum

TAE-6V555ST

1



Gray



TAE-20 Display

## Solar Shields®

### Solar Shield® Contrast-Enhancing Absorptive Filters

Eschenbach carries an exclusive line of absorptive filters for the low vision patient. These absorptive filters were developed in cooperation with Dioptrics Medical Products, the manufacturer of the #1 doctor recommended sunglass. Solar Shields® provide 40% more protection from the sun than ordinary sunglasses because of the protective top and side shield design.

#### Special Features of Solar Shield® Filters Include:

- 5 lens tints to choose from (orange, amber, yellow, plum, gray).
- Gray polarized and plum lenses decrease overall light transmission and reduce glare. Yellow, orange, and amber lenses decrease blue light transmission and enhance contrast.
- 3 frame sizes: small, medium, and large
- All Solar Shields® block 100% of UVA/UVB
- Bend-to-fit temples provide a comfortable, custom fit
- Each pair of Solar Shields® comes with a protective case
- Lenses can be replaced with Rx'd lenses, if needed

Product #	Size	Lens Tint nm Light Blocked	Light Trans- mitted
<b>TAE24354</b>	Large	Orange - 525 nm	35%
<b>TAE24353</b>	Large	Amber - 511 nm	35%
<b>TAE24357</b>	Large	Yellow - 450 nm	71%
<b>TAE2435P</b>	Large	Plum - 400 nm	15%
<b>TAE24150</b>	Large	Gray polarized - 380 nm	17%
<b>TAE27104</b>	Medium	Orange - 525 nm	35%
<b>TAE27102</b>	Medium	Amber - 511 nm	35%
<b>TAE27103</b>	Medium	Yellow - 450 nm	71%
<b>TAE2735P</b>	Medium	Plum - 400 nm	15%
<b>TAE27101</b>	Medium	Gray polarized - 380 nm	17%
<b>TAE25354</b>	Small	Orange - 525 nm	35%
<b>TAE25353</b>	Small	Amber - 511 nm	35%
<b>TAE25357</b>	Small	Yellow - 450 nm	71%
<b>TAE2535P</b>	Small	Plum - 400 nm	15%
<b>TAE25150</b>	Small	Gray polarized - 380 nm	17%

## SolarComfort®

### SolarComfort® Contrast-Enhancing Absorptive Filters

Contrast-enhancing filters in a wrap-around style. Ideal for emmetropes, contact lens wearers, younger patients and fashion-conscious seniors. Available in five lens tints (orange, amber, yellow, plum, and polarized gray), SolarComfort® filters are unisex, lightweight, and designed to reduce intraocular glare (gray) and improve contrast (other tints).

Designed to be worn as 'wear-alones'.

#### SolarComfort® Special Features Include:

- Lenses are scratch-resistant polycarbonate materials
- All SolarComfort® filters block 100% of UVA/UVB
- All frames are made of lightweight nylon-66
- Bend-to-fit temples for a custom fit
- Block visible light below the following wave lengths: orange (525 nm), amber (511 nm), yellow (450 nm), gray and plum lenses (400 nm).

Product #	Style	Lens Tint & nm Light Blocked	Frame Size
<b>TAE-6V55C52T</b>	Unisex	Orange - 525 nm	131 mm
<b>TAE-6V55C58T</b>	Unisex	Amber - 511 nm	131 mm
<b>TAE-6V55C5YT</b>	Unisex	Yellow - 450 nm	131 mm
<b>TAE-6V55C5PT</b>	Unisex	Plum - 400 nm	131 mm
<b>TAE-6V555ST</b>	Unisex	Gray polarized - 380 nm	131 mm

**TAE-20-Display** Solar Shield® Display - holds 20 Solar Shields® or an assortment of 5 SolarComforts® - 1 of each tint- and 15 pair of Solar Shields®. The display is free with the purchase of any 20 SolarComforts® or Solar Shields®. Weight: 13 pounds with product. 13" high - 14" diameter. Comes fully assembled, patient friendly.

1 2 3 4 5

1=easy - 5=requires training

# Haven® Fits-Over SunWear



## SunWear Filters with comfort and style!

Haven® Fits-Over Sunwear are premium, polarized glasses that are designed to fit-over reading glasses or prescription frames, or they can be worn alone. Featuring a sleek, wrap-around lens, they provide an unobstructed panoramic view - maximizing peripheral vision.

## Special Features of Haven® Fits-Over Filters Include:

Havens® block 100% UVA/UVB light and are polarized. They are available in 3 tints: gray, amber and yellow. Gray and yellow are offered in a black frame while amber is offered in a tortoise frame.

Lightweight nylon frames feature adjustable 'bend-to-fit' temples. A soft black pouch protects each pair when not in use. Each lens receives a hard coat for scratch resistance and an oleophobic coating that repels water, oil, and smudges.



Product #	Frame	Lens Tint	Style	Fit-Over Rx
<b>TAE-3H3600S</b>	Extra Large	Gray	Banyan Blk	141 x 52 mm
<b>TAE-3H36543ST</b>	Extra Large	Amber	Banyan Tort	141 x 52 mm
<b>TAE-3H3607S</b>	Extra Large	Yellow	Banyan Blk	141 x 52 mm
<b>TAE-3HRH600S</b>	Large	Gray	Summerwood B	134 x 37 mm
<b>TAE-3HRH653ST</b>	Large	Amber	Summerwood T	134 x 37 mm
<b>TAE-3HRH607S</b>	Large	Yellow	Summerwood B	134 x 37 mm
<b>TAE-3H5600S</b>	Medium	Gray	Meridian Blk	132 x 41 mm
<b>TAE-3H5653ST</b>	Medium	Amber	Meridian Tort	132 x 41 mm
<b>TAE-3H5607S</b>	Medium	Yellow	Meridian Blk	132 x 41 mm
<b>TAE-3HRH600S</b>	Large	Gray	Hunter Blk	134 x 37 mm
<b>TAE-3HRH653ST</b>	Large	Amber	Hunter Tort	134 x 37 mm
<b>TAE-3HRH607S</b>	Large	Yellow	Hunter Blk	134 x 37 mm
<b>TAE-3HRM600S</b>	Med/Large	Gray	Malloy Blk	132 x 39 mm
<b>TAE-3HRM653ST</b>	Med/Large	Amber	Malloy Tort	132 x 39 mm
<b>TAE-3HRM607S</b>	Med/Large	Yellow	Malloy Blk	132 x 39 mm
<b>TAE-3HRT600S</b>	Medium	Gray	Tolosa Blk	128 x 34 mm
<b>TAE-3HRT653ST</b>	Medium	Amber	Tolosa Tort	128 x 34 mm
<b>TAE-3HRT607S</b>	Medium	Yellow	Tolosa Blk	128 x 34 mm

# Haven® Night Drivers



## Night Driving Fit-Over Glasses

Fit-over tinted glasses designed specifically for driving at night and for use with digital devices.

Haven® Night Drivers light yellow tint (400nm cut-off) blocks bothersome blue light, cuts glare, and improves contrast. A/R, anti-scratch and oleophobic coatings included.

Product #	Description	Frame	Fit-Over Rx
<b>TAE-3H16000655</b>	Classic Mod Rec	Medium	127 x 38 mm
<b>TAE-3H16000656</b>	Classic Wide Rec	Med/Large	133 x 38 mm
<b>TAE-3H16000654</b>	Classic Square	Large	136 x 47 mm

## Haven® Displays

Receive the **TAE-17P204DHNO** 6-piece counter display FREE with the purchase of any 9 Haven® filters or the **TAE-3H-Assort** 18-piece floor display FREE with purchase of any 36 Haven® filters.

Dimensions of floor display: H=68", W=16", D=14"

Dimensions counter display: H=20", W=7", D=8"

# Absorptive Filters

Haven®

## Banyan



Gray

**TAE-3H3600S**

1

## Summerwood



Amber

**TAE-3HRH653ST**

1

## Meridian



Yellow

**TAE-3H5607S**

1

## Tolosa



Gray

**TAE-3HRT600S**

1

## Malloy



Amber

**TAE-3HRM653ST**

1

## Hunter



Yellow

**TAE-3HRH607S**

1



**TAE-3H16000655**

1



**TAE-3H16000656**

1



**TAE-3H16000654**

1



H = 68"  
W = 16"  
D = 14"

## Haven Displays



1 2 3 4 5  
1=easy - 5=requires training

# Absorptive Filters

WellnessPROTECT® Eyewear

1663

1



Brown Frame



Small Black Frame



Large Black Frame



Top and Side Frame Protection



1663-9407



## WellnessPROTECT® Eyewear



### WellnessPROTECT® Contrast-Enhancing Absorptive Filters

Blue light is the high energy, short wavelength light that can easily scatter as it crosses through different media in the eye, causing intra-ocular glare and reduction in contrast. WellnessPROTECT® Eyewear blocks this bothersome blue light.

### Special Features of WellnessPROTECT® Eyewear Include:

Off-the-Shelf CR-39 yellow lenses are available in 5 tints: Light (15% brown), Dark (65% brown), Darker (75% brown), Darkest (85% brown), and Gradient (50%-15% brown).

WellnessPROTECT® Eyewear can be prescription corrected and made in standard filtering tints including gray, plum, yellow, amber and orange. Contact Customer Service at (800) 487-5389 to learn more.

WellnessPROTECT® Eyewear features 3 types of attractive frames (2 black and 1 brown) that provide comfort, style and side / top protection. Protection comes from shields on the top and bottom of the lens as well as from the custom-made side shield.

All WellnessPROTECT® Eyewear block 100% of UVA/UVB and come with a protective case. Lenses can be replaced with Rx lenses, if desired.

Product #	Description	Frame Color
<b>1663-1xx</b>	Small	Brown
<b>1663-2xx</b>	Large	Brown
<b>1663-4xx</b>	Small	Black
<b>1663-5xx</b>	Large	Black
<b>1663-5416</b>	Small	Brown Frame Alone
<b>1663-5716</b>	Large	Brown Frame Alone
<b>1663-5615</b>	Small	Black Frame Alone
<b>1663-5816</b>	Large	Black Frame Alone

### Frame Information:

Product #	Frame Size (mm)	Bridge Size (mm)	Temple Size (mm)
<b>Small Brown</b>	53 mm	15 mm	135 mm
<b>Large Brown</b>	60 mm	20 mm	135 mm
<b>Small Black</b>	60 mm	15 mm	130 mm
<b>Large Black</b>	60 mm	15 mm	120 mm

**1663-9407 Display:** Free with purchase of any 4 WellnessPROTECT® Eyewear

### 5 Tints Available:



P=Polarized



1=easy - 5=requires training



## Portable Hand-held

### Mobilux® Digital Touch HD (1651-1)

Featuring a 4.3" HD TFT LCD screen with anti-glare coating, 3 brightness settings, adjustable 'lines & blinds' for precise orientation, and 5 color viewing modes. When connected to a PC or MAC, a live image shows on the computer monitor. The magnification range is 4x to 12x in either continuous zoom or in 5x, 6x, 8x, and 10x steps (smaller steps are also possible). An SD card (4 GB) stores photos which can be downloaded to a computer. The MDT is lightweight at 8 oz., and has an automatic shut-off feature.

**Magnification:** 4x - 12x (with continuous zoom or in steps)

**Viewing Modes:** 5 viewing modes (color, black/white, white/black, black/yellow, yellow/black)

**Illumination:** 2 SMD LEDs, can be switched off when not needed

**Display:** 4.3" HD TFT LCD (touch) screen; anti-glare coating

**Weight:** 8 oz.

**Operating & Recharging Time:** Operating: 3+ hours; Recharge: 2 hours

**Auto-Shut-Off:** Turns off after 5 minutes non-use

**Case:** Protective, zippered case

**Other:** SD card; 2 integrated stands: on the handle and side of the device

### Mobilux® Digital Inspection (1651-101)

Allows users to monitor essential criteria during incoming and outgoing goods inspections, warehouse sampling and production process to ensure a high level of customer satisfaction. A magnification range of 4x to 15x with 1280 x 720 (HD) image resolution and removable SD card that stores 10,000 images. Includes a measuring function with scales and calibration. (Tripod available.)

**Magnification:** 4x - 15x (with continuous zoom or in steps)

**Viewing Modes:** 5 viewing modes (color, black/white, white/black, black/yellow, yellow/black)

**Illumination:** 2 SMD LEDs, can be switched off when not needed

**Display:** 4.3" HD TFT LCD (touch) screen; anti-glare coating

**Weight:** 8 oz.

**Operating & Recharging Time:** Operating: 3+ hours; Recharge: 2 hours

**Auto-Shut-Off:** Turns off after 5 minutes non-use (can be disabled)

**Case:** Hard foam case

**Other:** SD card; 2 integrated stands: on the handle and side of the device

### Smartlux® Digital (1650-11)

A revolutionary portable video magnifier with a multitude of features at a very economical price. Large 5" LCD TFT display screen provides 5x-12x magnification with 5 viewing modes. Illumination is provided by 2 SMD LEDs and the tactile control buttons are easy to understand. Images can be captured and stored (up to 20) for later viewing. Ideal for anyone who wants a handy, easy-to-use portable video magnifier.

**Magnification:** 5x, 7x, 9x, 12x

**Viewing Modes:** 5 viewing modes including full color, black/white, white/black, black/yellow, yellow/black

**Illumination:** 2 SMD LEDs can be dimmed or turned off when not needed

**Display:** 5" TFT LCD; contrast ratio of 600:1; hard-coated with anti-glare film

**Weight:** 7.8 oz.

**Operating & Recharging Time:** 2.5 hours; 2 hours recharge time

**Auto-Shut-Off:** After 5 minutes non-use

**Case:** Hard foam case

**Other:** Stores up to 20 photos; retractable stand for writing and gliding across text pages



### Crystal XL2 (ASH-600-204)

The Crystal XL2 features a 4.3" TFT LCD screen display in a portable, hand-held video magnifier. It is optimized for high reading speed with a simple, efficient button arrangement for single-handed use. Other benefits include: free from fading or smearing; 3 megapixel sensor to insure there is no deterioration of image when magnification is increased; innovative, ergonomic design; recall of up to 100 images; rubberized grip for comfort and control, automatic power-off when not in use for 5 minutes, integrated slip-out stand for writing; and 'Overview' mode for orientation.

**Magnification:** 1.5x - 14x

**Viewing Modes:** Full color, enhanced b/w & w/b, with semi-colors

**Illumination:** LED

**Display:** 4.3" TFT LCD

**Weight:** 7 oz.

**Operating & Recharging Time:** 4+ hours, 3-hour recharge

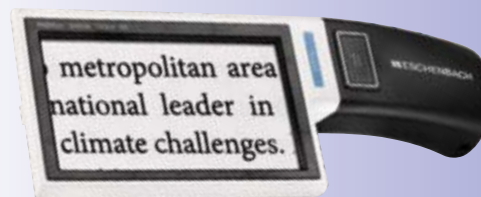
**Auto-Shut-Off:** After 5 minutes non-use

**Case:** Hard foam case

**Other:** Rubberized grip for comfort and control; stores up to 100 images; retractable stand for writing

## Video Magnifiers

### Portable Hand-held



Mobilux®  
Digital  
Touch HD

2



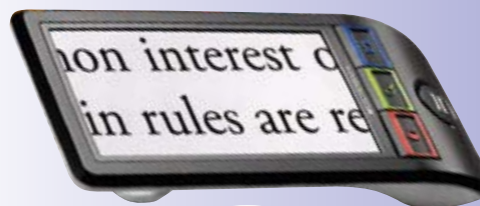
Mobilux®  
Digital  
Inspection

2



Smartlux®  
Digital

2



Crystal XL 2

2



1 2 3 4 5  
1=easy - 5=requires training



# Video Magnifiers

Desktop

## MagniLink Vision 13

3



## MagniLink Vision 12

3



## Desktop



### MagniLink Vision (MLV-13)

An award-winning HD desktop video magnifier that provides a stunning visual experience with high resolution images, bright colors, extraordinary clarity and OCR text-to-speech (TTS) functionality.

With TTS function activated, text can be read aloud and displayed character by character, word by word, line by line, or paragraph by paragraph. There is also a silent mode, where the text floats on the screen.

The HD camera, along with the HD monitor, provide true HD. The monitor (23" diameter) can be tilted back 45 degrees with adjustable heights for comfort.

**Magnification:** 2x - 60x

**Viewing Modes:** 13 viewing modes (colors, plus 6 false colors)

**Illumination:** 8 bright LEDs - illumination can be adjusted

**Display:** 23" HD screen

**Weight:** 26 lbs.

**Reading Table:** Ergonomically designed X/Y reading table with adjustable friction brakes

**Dimensions:** 16.5" x 18.5" x 22.4"

**Other:** Includes OCR text-to-speech functionality. HD camera and HD monitor ensure superior quality. Adjustable monitor between 4" and 7.6" above table. **ROPC:** Reading Optimized Picture Control adjusts color and contrast; minimizes flicker and ghosting. **EUC:** End User Configuration: users can set magnification mins & max, number of colors, line guides, etc.

### MagniLink Vision (MLV-12)

An award-winning HD desktop video magnifier that provides a stunning visual experience with high resolution images, bright colors, and extraordinary picture clarity.

The HD camera provides a true HD experience at 720dpi for unbeatable image quality. The large 23" monitor can be tilted back 45 degrees and its height can be adjusted between 4" to 7.5" for perfect ergonomic comfort.

The magnification range is between 2x - 60x. The X/Y table features friction brakes, a curved front that eliminates sharp edges, and 8 bright LEDs for illumination - the brightness of the LEDs can be adjusted, if desired.

The system is modular with 11 non-TTS models to choose from.

**Magnification:** 2x - 60x

**Viewing Modes:** 13 viewing modes (colors, plus 6 false colors)

**Illumination:** 8 bright LEDs whose illumination can be adjusted

**Display:** 23" HD screen

**Weight:** 26 lbs.

**Reading Table:** Ergonomically designed X/Y reading table w/ brakes

**Dimensions:** 16.5" x 18.5" x 22.4"

**Other:** **ROPC:** Reading Optimized Picture Control adjusts color and contrast; minimizes flicker and ghosting. **EUC:** End User Configuration: users can set magnification mins & max, number of colors, line guides, etc. HD camera and HD monitor ensure superior quality. Adjustable monitor between 4" and 7.6" above table.

# Video Magnifiers

■ Portable Desktop/ w/Camera

## ■ Portable Desktop



### Prisma AF (ASH-521-002)

The Prisma AF introduces a new level of simplicity with integration of full autofocus technology. Broad range of magnification levels and premium image quality. Limited 2-year warranty.

**Magnification:** 2.5x - 30x (on a 17" TV screen)

**Viewing Modes:** Full color display, B on W, W on B modes.

**Illumination:** LED

**Dimensions (l x w x h):** 5.5" x 3.1" x 9"

**Weight:** 2 lbs. 8 oz.

**Power:** Electric

**Other:** Includes a writing mat that facilitates ease of writing with notes, crossword puzzles, bills, and letters.



### MagniLink PRO Portable FHD w/ Battery, Reading Table, TTS (MLPRO-FHD-ABCD)

The ultimate system for professionals that incorporates all of the desirable features from the start! A working height of up to 18.1" allows all reading materials to fit below the camera and allows for full page scans. The ML PRO connects to PC and MAC computers, or to a monitor or smartboard. A high-quality camera with FHD 1080p is perfect for close up reading, for far away distance, and mirror mode. FHD resolution, with 20x zoom, produces crystal clear, detailed images with natural rich colors. Magnification ranges from 1.1x to 70x. Completely portable, weighs about 9 pounds and easily folds up and down for travel. Convenient, sturdy carrying bag. Battery can be used for up to 9 hours.

**Magnification:** 1.1x - 70x (FHD)

**Viewing Modes:** full color, plus 6 false colors

**Illumination:** LED

**Camera Resolution:** True Full HD (1080p)

**Weight:** 9 lbs. 15 oz.

**X/Y Reading Table:** included

**Camera:** True Full HD built-in distance camera 1080p

**Full TTS (text-to-speech):** Yes

**Dimensions: (l x w x h):** unfolded: 13"x18.5"x20.5", folded: 13"x18.5"x6.7"

**Other:** Battery run time: up to 9 hours, battery charge time: 2.5 hours, free working height: up to 18.1", control box included, power source: battery or AC. Modular system, can also order base unit and any combination of reading table, battery and PC or MAC software.



Prisma AF

3



MagniLink PRO Full HD TTS

3

## ■ Desktop with Distance Camera



### MagniLink ZIP Full HD 13 (MLZIP-FHD-13)

The MagniLink Zip FHD 13 desktop video magnifier is at the forefront of modern technology. It was developed to be easy to use, light in weight, and with small dimensions when folded down. This model is equipped with a Full High Definition (FHD) monitor and reading / distance camera. Three other models available.

**Magnification:** 1.1x - 35x (FHD)

**Viewing Modes:** full color, plus 6 false colors

**Illumination:** LED

**Display:** 13.3" monitor

**Weight:** 8.6 lbs.

**Reading Table:** Writing mat. Model with reading table available.

**Camera:** Full HD built-in distance camera 1080p

**Dimensions: (l x w x h):** unfolded: 13"x1"x20.1", folded: 13"x1"x3.5"

**Other:** Built-in battery, very portable, brightly colored screen edges, anti-glare surface, high contrast images, dimmer for light-sensitive users. Adjustable screen tilts forward or backward, can be modified for height.



MagniLink ZIP 13 Full HD

2

1 2 3 4 5

1=easy - 5=requires training

# Video Magnifiers

Desktop w/ Distance Camera

# Desktop with Distance Camera



MagniLink  
ZIP 13 HD

2



## MagniLink ZIP HD 13 (MLZIP-HD-13)

Uncompromising true-color image quality is ever present and the system is intuitive and user friendly. The control panel was designed according to the highest technology standards and with client feedback in mind.

Buttons are easy to find, learn, and maneuver - for example, the function knobs rotate and are simple to handle, easily seen, and there is an advance mode for advanced users. Three other models available.

**Magnification:** 1.3x - 35x (HD)

**Viewing Modes:** full color, plus 6 false colors

**Illumination:** LED

**Display:** 13.3" High-Definition

**Weight:** 8.6 lbs

**Reading Table:** Writing mat. (Model with reading table available)

**Camera:** HD built-in distance camera 720p

**Dimensions: (l x w x h):** unfolded: 13" x 1" x 20.1", folded: 13"x1"x3.5"

**Case:** Zippered case with shoulder strap

**Other:** Built-in battery, very portable, brightly colored screen edges, anti-glare surface, high contrast images, dimmer for light-sensitive users.

Adjustable screen tilts forward or backward, can be modified for height.

MagniLink  
ZIP 17  
Full HD

2



## MagniLink ZIP Full HD 17 (MLZIP-FHD-17)

The success of the MagniLink Zip FHD 17 video magnifier is due to its combination of hi-tech design and logical features - it's foldable, has excellent image quality, and is easy to use. Full High Definition (FHD) reading/distance camera that rotates both vertically and horizontally. The resolution used in the FHD camera is 1080p - bringing out the detail in every photo. Best choice for those who use a video magnifier frequently. Three other models available.

**Magnification:** 1.3x - 35x (FHD)

**Viewing Modes:** full color, plus 6 false colors

**Illumination:** LED

**Display:** 17.3" in Full Hi-Definition

**Weight:** 14.3 lbs.

**Reading table:** X/Y table. Model with writing mat available.

**Camera:** Full HD built-in distance viewing camera 1080p

**Dimensions: (l x w x h):** unfolded: 17.3" x 18.5" x 22", folded: 17.3" x 18.5" x 4.7"

**Case:** Zippered case with shoulder strap

**Other:** Built-in battery, brightly colored screen edges, anti-glare surface, high contrast images, dimmer for light-sensitive users. Adjustable screen tilts forward or backward, can be modified for height.

MagniLink  
ZIP 17 HD

2



## MagniLink ZIP HD 17 (MLZIP-HD-17)

The control panel was designed according to the latest hi-tech standards - buttons are easy to find, learn, and maneuver. The 17 inch monitor has brightly colored screen edges, an anti-glare surface, and a dimmer for light-sensitive users. The unit is easy to fold and unfold and can be carried to different locations. Three other models available.

**Magnification:** 1.3x - 35x (HD)

**Viewing Modes:** full color, plus 6 false colors

**Illumination:** LED

**Display:** 17.3" in Hi-Definition

**Weight:** 14.3 lbs.

**Reading table:** X/Y table. Model with writing mat available.

**Camera:** HD built-in distance viewing camera 720p

**Dimensions: (l x w x h):** unfolded: 17.3"x18.5"x22", folded: 17.3"x18.5"x4.7"

**Case:** Zippered case with shoulder strap

**Other:** Built-in battery, brightly colored screen edges, anti-glare surface, high contrast images, dimmer for light-sensitive users. Adjustable screen tilts forward or backward, can be modified for height.



1=easy - 5=requires training

# Video Magnifiers

■ Desktop w/ Dist. Cam., Reading Machine

## MagniLink S TTS HD (MLS-CM03)

The MagniLink S is a portable, MAC compatible, HD/OCR video magnifier that provides superior image quality with no ghosting. It's manufactured with the latest technology for superior image quality and is easy to connect to a computer or directly to a monitor. Plus, it can even read text aloud!

The included camera offers a refresh rate at 60 digital frames per second (fps) for extraordinarily clear images - even when in motion! It provides 1.4x - 75x magnification and has 7 different viewing modes.

Free working height of 12.2" (31cm) makes it easy to browse through books or binders. High placement of the camera, together with a wide viewing angle of 54 degrees, makes it perfect for students.

The flexible camera head and arm rotation provides easy switching between distance and close-up tasks. Powered by a laptop computer (Windows or MAC OS) through a 3.0 fast USB port - no added weight from a battery. The system is controlled by the buttons on the base or via keyboard shortcuts.

With OCR capability, the displayed text can be viewed and heard for maximized reading speed and comfort. It comes with an all-in-one carrying case with room for the MLS, a 15.4" laptop, and accessories.

Due to its adaptable modular design, there are 6 different MagniLink S models to choose from depending on the type of camera, connections, and features that are needed.

**Magnification (15.4" screen):** 1.6x - 75x (SD), 1.4x - 75x (HD)

**Viewing Modes:** 6 color viewing modes, plus 6 false colors

**Illumination:** LED

**Display:** Plugs into user's laptop

**Weight:** 3.7 lbs.

**Reading Table:** No

**Camera:** Camera arm swivels to right and left; easily useable for left and right-handed users. Rotates 330 degrees both horizontally and vertically.

**OCR:** Optional feature translates text to speech in different languages

**Dimensions:** deployed: (l x w x h) 13.3"x 3.5" x 4.9"

**Case:** Zippered case with shoulder strap

**Other:** USB 3.0 (10x faster than USB 2), easy to use controls on base or icons on screen, all-in-one carrying case included; options include external control panel, docking station, monitor (19" or 23"), reading table, monitor arm, monitor stand, and more. **6 Models Offered:** MLS for computer in SD; MLS for monitor in SD or HD, MLS in monitor in SD or HD, MLS TTS for computer and monitor in HD. **Operating Systems:** Windows 7 and 8, MAC OS X 10.6 or later.

## Reading Machine



### MagniLink Voice (MLVoice-1-BAT)

The MagniLink Voice is a user-friendly reading machine that was designed with simplicity, ease of use, with a contemporary design.

Place the reading material under the front bar where the camera is, press the large orange button, and you're done! A few seconds later, the user will hear the text read aloud - it's that simple!

It is customizable and can be adapted by adjusting the reading speed, volume, audio profiles, types of voices, light setting, and more. It can read misaligned documents, provides voice feedback, automatically detects the language the text is written in, has extremely good depth of field - which means it is optimized for browsing through large books under the camera.

**Battery Type:** Li-ion

**Battery Operation Time:** 5 hours

**Battery Standby Time:** 45 hours

**Battery Charge Time:** 2.5 hours

**Dimensions:** 9.8" x 10" x 13"

**Weight:** 7 lbs. with battery

**Other:** Reads misaligned documents, voice feedback for all functions, automatic language detection, optimized for browsing large books, AC-only version without battery is also available.



MagniLink S

3

MagniLink  
Voice  
Reading  
Machine

2



# Technical Magnifiers

■ Hand-held

1103  
1104

3



## Multi-purpose magnifiers

### Slide-out and folding magnifiers

#### 1103 / 1104

##### Technical data:

- Slide-out magnifier has a durable plastic case
- Compact and versatile-fits into pocket or purse
- With two plano-convex PXM® lightweight lenses
- 1103 has two lenses, each with two magnifications
- 1104 has two lenses, each with one magnification

Product #	Lens size	Magnification
<b>1103</b>	23 mm x 35 mm	3x and 4.5x or 6x and 9x
<b>1104</b>	23 mm x 35 mm	3x or 6x

1109-10

3



#### 1109-10

##### Technical data:

- Folding magnifier has protective, durable case
- Lightweight, tapered, fits easily into any pocket
- Aplanatic distortion free PXM® lightweight lenses
- Duplex anti-static, anti-scratch coating

Product #	Lens size	Magnification
<b>1109-10</b>	23 mm	10x

1163

3



#### 1163 Handle magnifier in lightweight metal frame

##### Technical data:

- Aspherical PXM® lightweight lens
- Duplex coating
- Black plastic handle, black, anodized, plastic frame

Product #	Lens size	Magnification
<b>1163</b>	50 mm	6x



1=easy - 5=requires training

## Precision folding magnifiers

### 1186-9 / 1182-10

#### Plastic Precision Folding Magnifiers

##### Characteristics:

- The body is made of reinforced glass-fiber, durable polyamide
- The air tight body prevents dust, which produces scratches, from entering

##### Technical data:

- Glass lenses
- Size: 23 mm

Product #	Lens	Magnification	Characteristics
1186-9	Achromatic	3x + 6x = 9x coated	color aberration-free image
1182-10	Aplanatic	10x	distortion-free image



1186-9

3



1182-10

3

#### Metal Precision Folding Magnifiers

Traditional, technical folding magnifiers provide the high power optics and durability to meet any industry standard.

##### Achromatic Lens

The unique achromatic lens system eliminates color aberration. It consists of coated lenses that are cemented together using different types of glass. The result is crystal-clear optics with no color aberration.

##### Aplanatic Lens

Provides a distortion-free image. The two plano-convex glass lenses offer distortion-free, superior optics throughout the viewing field.

##### Technical Information:

**Mount:** Black metal lens frame

**Handle:** Chrome-plated brass

Product #	Lens Size (mm)	Magnification	Lens
1176-6	23	6x	Aplanatic
1176-8	23	8x	Aplanatic
1176-10	23	10x	Aplanatic
1176-12	23	12x	Aplanatic
1178-10	17	10x	Aplanatic
1178-15	17	15x	Aplanatic
1178-20	17	20x	Aplanatic
1184-10	17	10x	Achromatic
1184-20	17	20x	Achromatic
1187	30	4x + 6x = 10x	Biconvex



1176-6

1176-8

1176-10

1176-12

3



1178-10

1178-15

1178-20

3



1184-10

1184-20

3



1187

3

# Technical Magnifiers

■ Hand-held & Stand

1174

2



2626

3



 **cera-tec®**  
coating

2628

3



 **cera-tec®**  
coating

1153

3



 **cera-tec®**  
coating

1124-3

1124-5

1124-7

1124-110

3



1130

3



## Micromagnifier

### 1174 Micromagnifier with illumination

#### Characteristics:

- Precise focusing with adjustable wheel
- Illumination can be connected, if required

#### Technical data:

- Glass lenses
- Magnification 30x
- Batteries (2 AA) included
- Bulb 2.2 V, 250 mA, E10
- Replacement bulb no.1543 (see page 54)

## Aspheric Stand Magnifiers

Eschenbach high power stand magnifiers are ideal for any visual task that requires high magnification.

#### Special Features:

- The transparent, plastic base lets in maximum light for clear, bright viewing
- All have an open base for marking underneath
- Magnification/dioptric value/ideal eye-lens distance printed on all lens heads

#### Technical Information:

**Lens:** Aspheric PXM® lightweight lens with cera-tec® scratch resistance coating

**Mount:** White plastic frame

**Base:** Transparent plastic base provides easy access to material being viewed

**Note:** Open base for writing

Product #	Lens Size (mm)	Dpt.	Magnification
2626	50	23	6x
2628	35	38	10x

### 1153

#### Aplanatic Stand Magnifier

Ideal for looking at film negatives and photographs

#### Technical Information:

**Magnification:** 8x (32D)

**Lens:** Aplanatic PXM® lightweight lens with cera-tec® coating

**Lens Size:** 25 mm

### 1124 and 1130

#### Watchmakers' magnifier, stone magnifier

#### Characteristics:

- Includes vent to prevent condensation
- Made of flame resistant plastic material

#### Technical data:

- PXM® lightweight lens with duplex anti-static, scratch resistant coating
- Color: anthracite

Product #	Magnification	Lens	Lens Diameter
1124-3	3x	plano-convex	25 mm
1124-5	5x	plano-convex	25 mm
1124-7	7x	plano-convex	25 mm
1124-110	10x	bi-convex	25 mm
1130	15x	2-lens system	13 mm

1 2 3 4 5

1=easy - 5=requires training

## Aspheric Stand Magnifiers

### 1154

#### Characteristics:

- Clear, distortion-free image
- Fine focusing via handy focusing ring
- Exchangeable precision measuring scales for various applications

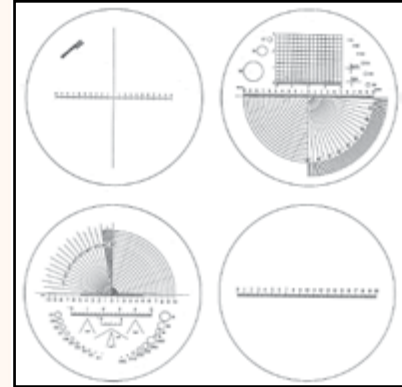
#### Technical data:

- Achromatic glass lens, coated
- Housing made of glass-fiber-reinforced polyamide
- Supplied with standard scale no. 1152-01, measuring range 20 mm, 1/10 mm graduation
- Comes in a solid plastic box providing space for other scales
- Lens Diameter: 23 mm

Product #	Diopter	Magnification
1154-7	28	7x
1154-10	40	10x

#### Accessories:

**Precision measuring scales** for various applications  
Order no. 1152-01, 1152-02, 1152-03, 1152-04



1154-7  
1154-10

3

1152-01  
1152-02  
1152-03  
1152-04

3

## Linen Testers

### Linen Testers

#### Technical Information:

**Lens:** Biconvex, optically ground silicate glass

**Body:** Brass, chrome-plated, matte finish

**Case:** Leather cases available, see below

Product #	Magnification	Height (mm)	Lens Size (mm)	Cut Out (mm)	Case Number
1254	12x	23	12.6	10x10	1200-1
1255	10x	27	14.6	15x15	1200-2
1256	8x	33	17.6	20x20	1200-3
1258	6x	42	22.6	25x25	1200-4
1259	5x	53	23.6	30x30	1200-5

#### Aplanatic Linen Testers with Scale

**Magnification:** 8x

**Lens:** Aplanatic

**Cut-out:** 18 mm Ø

**Height:** 33 mm

**Diameter:** 15 mm

Product #	Scale	Case Number
1266-91	Square scale 1/10 mm	1200-3
1266-92	Line scale 1/10 mm	1200-3

#### Plastic Linen Testers with Lateral mm Scale

Product #	Magnification	Height (mm)	Lens Size (mm)	Cut Out (mm)	Case Number
1270	5x	56	23.6	30x30	1200-5
1271	10x	28	14.6	15x15	1200-2
1272	8x	35	17.6	20x20	1200-3



1254  
1255  
1256

4

1258  
1259

3

1266-xx

4

1271  
1272  
1270

4

4

3

1200-1  
1200-2  
1200-3  
1200-4  
1200-5



# Non-Optical Products

## Task Lighting

1602-04

1



FGX-10400397

1



1604-2

1



1604-22

1



1624-52

1



Bulbs

1543

1544

1545

1602-2



## Desk Lamp

### 1602-04 Halogen Desk Lamp

#### Special Features:

- Well ventilated - "stays cool"
- Broad beam lamp with halogen light
- Provides strong illumination for any visual task
- Telescopic arm and swivel head allows a variety of positions for any task

**Material:** White plastic

**Arm Support:** Up to 41 cm (approximately 16 inches)

**Bulb:** 1602-2 (included)

**Transformer:** 110 v/U.S. plug

## SpecLight

### FGX-10400397 SpecLight

**Speclights** clip onto the bridge of your reading glasses (reading glasses are not included). Its purpose is to provide additional illumination when none or not enough light is available.

#### Special Features:

- 2 bright LED lights reflect in broad beams - last up to 50 hours
- Adjustable clip mechanism with rubber-coated legs
- Black, crush-proof, protective case with 2 extra batteries (Flat-button battery EB-CR2032)

## Headlight LED

### 1604-2 Headlight LED with select attachments

Uniquely designed clip-on LED light attaches to 3 different products: MaxDetail (#1624-51), Headband magnifier (#1648-xx) and Stand Combination magnifiers (#2031, #2032, #2034 and #2036). Vertical angle of light is adjustable, weight is 2 ounces.

Operating time: 8 consecutive hours in full LED mode, 13 consecutive hours using Eco mode. Batteries are contained in sleek case that fits in pocket.

**Illumination:** 2 bright LEDs (focused with compound parabolic concentrator)

**Power Source:** 3 AA batteries included

**Illumination Strength:** Approx. 3200 lux at 250 mm, 1200 lux at 400 mm

**Case:** Hard foam traveling case

### 1604-22 Headlight LED w/ Clip for Glasses

Uniquely designed clip-on LED light attaches to any eyewear or head-borne carrier frame for hands-free illumination. Other features as above.

**Illumination:** 2 bright LEDs (focused with compound parabolic concentrator)

**Power Source:** 3 AA batteries included

**Illumination Strength:** Approx. 3200 lux at 250 mm, 1200 lux at 400 mm

**Case:** Hard foam traveling case

### 1624-52 Headlight LED w/ MaxDetail

This version of the hands-free illumination device includes a MaxDetail with the Headlight LED already attached using a customized adapter that fits over the bridge. Other features as above.

**Illumination:** 2 bright LEDs (focused with compound parabolic concentrator)

**Power Source:** 3 AA batteries included

**Illumination Strength:** Approx. 3200 lux at 250 mm, 1200 lux at 400 mm

**Case:** Hard foam traveling case

### Replacement Bulbs

**1543 Bulb** (comes in package of 5 bulbs)

Incandescent bulb, 2.5 Volt, 250 mA, E 10

Use with: 1174

**1544 Bulb** (comes in a package with 2 bulbs)

Incandescent bulb, 2.5 Volt, 250 mA, E 10

Use with: 1510-3, 1510-5, 1510-7, 1510-10

**1545 Bulb** (comes in a package with 5 bulbs)

Incandescent bulb, 2.5 Volt, 250 mA

Use with: 1599-10 handle

**1602-2 Bulb** (one bulb per package)

Halogen bulb, 4.0 Volt, 550 mA

Use with: 1602-04 lamp

1

2

3

4

5

1=easy - 5=requires training

## Stands and Cases

### Mobase Stand for Mobilux® LED Magnifiers

1511-001, 1511-002, 1511-003, 1511-004

With the Mobase stand, Mobilux® LED hand-held magnifiers can be used not only as a hand-held magnifier, but also a hands-free magnifier. Two positions to choose from: in the upright position, the user has both hands free to work behind the lens; in the flat position, users can easily slide the Mobilux® LED over reading material.

Four sizes to choose from - each size has unique specifications that guarantee the correct viewing distance for every Mobilux® LED magnifier.

Product #	Fits Mobilux® LED Magnifiers
1511-001	1511-2, 1511-3, 1511-4, 1511-41
1511-002	1511-5, 1511-6
1511-003	1511-7 - includes 1/4" thread for use with a tripod
1511-004	1511-10, 1511-12

Sits flat and stands



1511-001

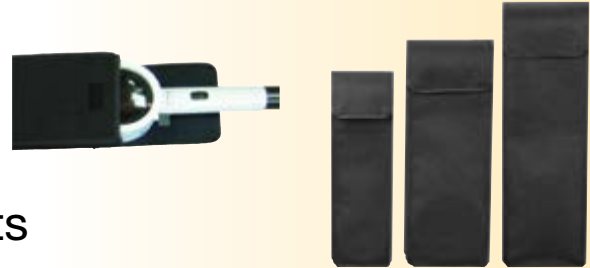
1

1511-002

1

### System Vario Plus Cases (1560-1, -2, -3)

Cases are perfect for storing the magnifier lens head and handle. Made of durable, sturdy nylon, featuring a soft, flannel-like lining to prevent scratches on the lens. Velcro closure tab seals case tightly. Three sizes: small, medium and large to accommodate all head and handle combinations. Contact Customer Service at (800) 487-5389 for assistance.



1560-3

1560-2

1560-1

## Simulator Kit and Vision Charts

### C-Sim Kit 4

#### Low Vision Simulator Kit

This kit demonstrates the four major eye diseases that cause low vision: macular degeneration, diabetic retinopathy, cataracts, and glaucoma.



C-Sim  
Kit 4

### C-100

#### Eschenbach Near Reading Card

- Provides an effective method to expedite the process of determining the needed magnification within minutes!
- Also available in Spanish (C-100-S) and French (C-100-F).

#### Usage Note:

- Each line of text lists the Snellen near equivalent (at 16"), M notation, dioptic power requirement and magnification requirement.
- To use, simply have the patient read the chart, holding it at 16" with best corrected vision. When the patient can no longer read the print, make a note of which line could not be read. Above that line to the right is the approximate magnification and dioptic powers needed to read standard news print.

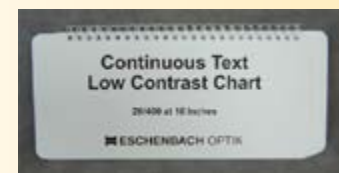


C-100

### C-300

#### Continuous Text Low Contrast Card

- Printed at 20/400 acuity, it can be read by most patients, and includes 5 pages printed with either 25%, 10%, 5%, 2.5% or 1.25% contrast sensitivity function scores
- Printed on sturdy polystyrene with high-quality matte finish
- Wired-bound pages are off-set for easy flipping
- Continuous text design for better measurement of reading speed



C-300

### DVI-Chart - Distance Reading Chart

The Original Distance Test Chart for the Partially Sighted is our recommended distance acuity testing tool. The "Feinbloom Number Chart" has been the standard of care among low vision professionals for decades! The acuity test, calibrated for use at 10 feet, allows the flexibility to adjust the distance acuity measuring process to meet the abilities of the patient.

#### Features include:

- 10' optotypes, from 10/10 to 10/700, allow for the most precise distance acuity measurement possible
- Constructed from heavy gauge laminated paper-durable vinyl covers
- Spiral binding allows for quick optotype changes
- Testing distance can be adjusted at the discretion of the practitioner



DVI-Chart

1 2 3 4 5  
1=easy - 5=requires training

# Non-Optical Products

## ■ Accessories and Batteries

1600

1



1605

1



C-500

1



EB-CR1632

1



EB-CR2025

1



EB-CR2032

1



## ■ Clamps and Stands

### 1600 Table Clamp

This table clamp can turn any hand-held magnifier into a "hands-free" magnifier, or can be used to position smaller objects for easier viewing.

#### Special Features:

- Flexible metal, gooseneck arm with 2 clamps made from high quality black plastic with sponge rubber disks for firm contact on smooth surfaces
- Gooseneck arm is 330 mm (13") in length
- Clamping jaws open to approximately 40 mm (1.6")

### 1605 Reading Stand

Helps users position their reading material at a height and angle that makes the reading task easier.

#### Characteristics:

- By using the reading stand and vision aid concurrently, optimum view is always achieved due to the identical distance to the reading material, which the vision aids provide.
- The reading stand supports an upright, ergonomically correct position, preventing backaches.

#### Technical data:

- Supporting area: 40 x 35 cm
- Natural maple wood
- 5 different inclines possible
- Edge stopper prevents slipping
- Supplied with clamp attachment for large papers
- Guide rail ordered separately (#1605-1)

**Note:** The reading stand should be re-aligned each time magnifying vision aids are adjusted.

#### Accessories

##### 1605-1 Guide Rail (shown on stand)

#### Use:

- Elderly people frequently have problems with guiding magnifiers and magnifying readers. The guide rail facilitates orientation on a line of text.
- The guide rail can be secured at any height using a fixing screw.

#### Technical data:

- Natural maple wood

### C-500 Reading Stand

- Designed to provide a comfortable reading position when using a high power magnifier
- Magnetic strips on the back side of clip board allow the height to be adjusted
- Comes complete with 1 vertical clipboard

#### Technical Data:

- Solid Poplar Wood

## ■ Batteries

### Replacement Batteries - Flat Button Type

#### EB-CR1632

- Batteries for LightSpecs™ - see page 19
- 3-Volt Lithium coin battery.
- 4 batteries per pack; minimum purchase of 2 packs required

#### EB-CR2025

- Batteries for EasyPOCKET - see page 5
- 3-Volt Lithium coin battery
- 4 batteries per pack; minimum purchase of 2 packs required

#### EB-CR2032

- Batteries for SpecLight - see page 54 and EasyPOCKET XL - see page 5.
- 3-Volt Lithium coin battery.
- 4 batteries per pack; minimum purchase of 2 packs required



1=easy - 5=requires training

## Diagnostic Dispensing Systems

### 1895 Optoform Dispensing System

- High quality presentation / diagnostic system that showcases a comprehensive optical product assortment
- Mobile! The display is on rollers so it can be moved around in your office. Cabinet includes lock.
- Timeless classic design; compact W 21.8" x D 17.7" x H 71.6"
- Dust free storage with front door lock for security
- Customizable sign on top allows you to personalize the display
- Illuminated glass panel on upper surface provides unrestricted view of top tray of products
- Cabinet holds 6 tray inserts with 8 shelves all together

**Note:** Products and trays not included. Assembly required.

### 1895C Dispensing Cabinet with Shelf

- Sturdy white cabinet locks to store your vision aids securely
- Mobile! The cabinet is on casters so it can be moved around in your office
- Holds up to 6 tray inserts with 8 shelves all together
- Dimensions: W 21.8" x D 17.7" x H 33.8"
- Cabinet is shipped fully assembled

**Note:** Products and trays not included. Some assembly required.



### 1865 EasyVision Display

The EasyVision display includes an assortment of low powered magnification optical devices for your patients who need a bit more magnification than their reading glasses alone can provide.

- Includes: 3 hand-held magnifiers, 3 stand magnifiers, 2 spectacle magnifiers, 2 telescopes - one for near tasks and one for far tasks
- Also included: tray insert, demo shelf, header, tray, EasyVision Chart for reading samples
- Products in the EasyVision tray: 1436-1 Makrolux, 1511-3 Mobilux® Hand-held Magnifier, EasyPOCKET 3x, EasyPOCKET 4x, Scribolux, Powerlux 3.5x, MaxTV®, MaxDetail Clip, MiniFrame Bifo (gun metal) 3D/4.5D, and MiniFrame Bifo (gold) 3D/6D



### 1860-5 Mini-Optoform Display

Specially designed for countertop use, this smaller version of the Optoform dispensing system can hold up to five single trays of Eschenbach products. Perfect for retail or a satellite office. Customizable sign on top allows you to personalize the display for marketing purposes.

#### Dimensions

**Height:** 34.75" (with sign), 19.75" (without sign)

**Width:** 23"

**Depth:** 15.5"

**Note:** Detachable sign allows unit to fit between counter top and overhead cabinetry in most exam rooms. Products and trays not included.



### 1853 Portable Low Vision Kit

Developed with the needs of the itinerant low vision provider or satellite office in mind, this lightweight case holds 32 vision aids securely in a protective foam tray. With powers ranging from 2.8x to 10x and a variety of head borne, hand-held and stand devices, this kit will allow you to treat visually impaired patients anywhere!

**Contents:** 1511-2, 1511-3, 1511-4, 1511-5, 1511-7, 1511-10, 1580-63, 1554-93, 1553-93, 1552-73, 1551-73, 1550-73, 1599-144, 1586-20, 1586-14, B3000-6, B3000-8, B3000-10, 1624-11, 1624-51, 1852-1, 4293-618, 4294-414, 1658-11, C-100, C-300.

Lightweight carrying case is included with adjustable shoulder strap.



1895

1895C

1865

1860-5

1853



### ■ Diagnostic Dispensing Systems Display Trays

These six trays make up our most comprehensive assortment of products. See the pages indicated for more information on each one.

1832



Page 10

#### 1832 Folding Pocket Magnifiers for Quick, Near Viewing Tasks (Tray #1)

Contents: 11 pieces (EasyPockets and Folding Pocket magnifiers)  
1521-10, 1521-11, 1521-22, 1710-14, 1710-67, 1710-910, 1740-x30, 1740-x50, 1740-x60, 1752-x50, 1752-x60. Tray-insert for 1832-13 and base tray 1895-01 included at no charge with purchase of assortment.

18371

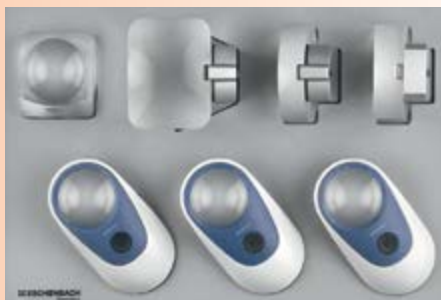


Page 4

#### 18371 Illuminated Hand-held Magnifiers for Quick, Near Viewing Tasks (Tray #2)

Contents: 9 pieces (Mobilux® LED Illuminated Magnifiers)  
1511-2, 1511-3, 1511-4, 1511-41, 1511-5, 1511-6, 1511-7, 1511-10, 1511-12. Tray-insert 1837-63 and tray base 1895-01 included at no charge with purchase of assortment.

18342



Page 14, 15, 16

#### 18342 Diagnostic Tray of Stand & Illuminated Stand Magnifiers for Extended Near Viewing Tasks (Tray #3)

Contents: 7 pieces (Bright Fields, Makrolux, MenasZoom, Scribolux, Powerlux)  
1436-1, 1436-2, 1438-30, 1565-1, 1586-14, 1586-20, 1586-28.  
Tray-insert 1834-23 and tray base 1895-01 included at no charge with purchase of assortment.

### Diagnostic Dispensing Systems Display Trays

#### 18283 Diagnostic Tray of Illuminated Stand Magnifiers for Extended Near Viewing Tasks (Tray #4)

This tray contains a complete assortment of our best selling illuminated stand magnifiers.

Contents: 10 pieces (Magnification Heads and Handles)  
1550-73, 1551-73, 1552-73, 1553-93, 1554-93, 1557-73, 1559-93,  
1580-63, 1559-10, 1599-144. Tray-insert 18283-304 and tray base  
1895-01 included at no charge with purchase of assortment.



18283

Page 17

#### 1697 Diagnostic Tray of novel eyewear for Extended Near Viewing Tasks (Tray #5)

Contents: 13 pieces (Noves bino and Noves mono spectacle magnifiers)  
1681-3-L, 1681-3-R, 1681-4-L, 1681-4-R, 1681-5-L, 1681-5-R, 1681-6-  
L, 1681-6-R, 1682-4, 1682-5, 1682-6, 1682-8, 1682-10. Tray-insert  
1697-73 and tray base 1895-01 included at no charge with purchase of  
assortment.



1697

Page 26

#### 1695 Diagnostic Tray of Galilean and Keplerian Telescopes for Extended, or Quick Near, Intermediate or distance Viewing Tasks (Tray #6)

Contents: 11 pieces (MaxTV, MaxDetail, MaxDetail Clip, Galilean  
Binoculars, Keplerian Monoculars, Finger Ring, and Telescope  
Frame)  
1624-11, 1624-51, 1624-6, 1631, 1634, 1634-4, 1636-3, 1671-1,  
1673-1, 1673-2, 1673-3. Tray-insert 1695-13 and tray base 1895-  
01 included at no charge with purchase of assortment.



1695

Page 37

# Diagnostic Systems & Displays

## ■ Displays - Hand-held

1511-9107



### 1511-9107 Mobilux® LED Display

This point-of-purchase holds 9 Mobilux® LEDs. It is free with the purchase of any 9 Mobilux LED magnifiers.

872801  
87282  
873003



### 872801 / 87282 / 873003 EasyPOCKET Display

**Special Features:**  
The EasyPOCKET point-of-purchase display holds 1 EasyPOCKET magnifier and is free with the purchase of any 6 EasyPockets. Select your choice of colors and magnification. (Note: EasyPOCKET XL does not fit in display.)

1740  
Display



### 1740 Folding Magnifiers Display

A silver colored, functional POP [point-of-purchase] display that holds the 16 piece assortment (#1741-103) of folding magnifiers in various shapes and magnification. Display is free with the purchase of the folding magnifier assortment.

2612-1



### 2612-1 Display with 12 Hand-held Magnifiers

This contemporary presentation fits easily on any counter or table and holds 12 - 2612 hand-held magnifiers. Your patients can examine them at the check-out desk, or wherever the display is placed.

The 2612-1 Display includes an assortment of twelve magnifiers: 4-2612-9507s, 3- 2612-807s, 3- 2612-607s, 2- 2612-407s.

2668-9



### 2668-9 Hand-held Ergo Magnifier Display

An attractive Ergo Hand-held magnifier display that holds an assortment of 6 Ergo-style magnifiers. The display is FREE with the purchase of any 6 Ergo magnifiers.



1=easy - 5=requires training

### 87278 / 873003 Makrolux Display

This sturdy point-of-purchase display shows a page of stock quotes onto which the Makrolux can be placed to show how the page is enlarged. Available free with the purchase of 3 Makrolux.



87278  
873003

### 87272 / 873003 VisoLux Display

This handy point-of-purchase display holds 1 VisoLux. The display is free with the purchase of 2 VisoLux.



87272  
873003

### 14388-907 MenasZoom Display

This handy point-of-purchase display holds 1 MenasZoom. The display is free with the purchase of 2 MenasZooms.



14388-907

### 87275 / 873003 Scribolux Display

This handy point-of-purchase display shows a crossword puzzle onto which the Scribolux can be placed to show how the puzzle is enlarged and how one can easily write under the lens. Available free with the purchase of 3 Scribolux.



87275  
873003

### 87279 / 873003 Powerlux Display

This Powerlux display holds 1 Powerlux and is free with the purchase of 2 Powerlux.



87279  
873003



2900-907



## 2900-907 3-Piece Reader Display

This all-purpose, versatile display holds 3 pieces of ready-to-wear readers. Each piece is prominently displayed on its own shelf for maximum attention, and a fourth pair can also be put on display, if desired. With its small footprint (H=8 in, W=8.6 in, D=12 in), it can be placed throughout the office on convenient counter tops for patients to peruse.

There are 4 compartments in the back that provide ample storage room for additional readers. The 3-piece display will hold a variety of different sized readers including: Rimless readers (#2912), MiniFrame readers (#2910), MiniFrame Progressive readers (#2905), MiniFrame Bifos (#2906), LightSpecs, and Private Eyes.

2906-907



## 2906-907 MiniFrame Bifo Display

This handy point-of-purchase display holds 3 MiniFrame Bifos. It has storage space in the back and is free with the purchase of 3 MiniFrame Bifos.

2910-01



## 2910-01 Mini-Frame Display

Attractive counter-top unit displays 10 pairs of Mini-Frame reading glasses with room to store the remainder in back. Free with purchase of any 25 pair.

2912-  
Display



## 2912-Display Readers Display

This is an all purpose, attractive counter-top display with a mirror on the bottom so patients can try on the reader and see how they look. It holds 14 pairs of any Eschenbach reading glasses, including: Rimless readers (#2912), MiniFrame readers (#2910), MiniFrame Progressive readers (#2905), MiniFrame Bifos (#2906), LightSpecs, and Private Eyes. The display is Free with the purchase of any 14 pair of readers.

Display Dimensions: 15 1/2" W x 4 3/4" D x 21" H

Micro  
Vision  
Display



## FGX-MicroVision Display

Holds 12 pieces. Free with the purchase of any 12 MicroVision reading glasses.

## 1663-9407

WellnessPROTECT® Display Free with purchase of any 4 pairs of WellnessPROTECT® Eyewear.



1663-9407

## TAE-20-Display Solar Shield® Display

The Solar Shield® Display Holds 20 Solar Shields®, or SolarComforts®. The display is free with the purchase of any 20 SolarComforts® or Solar Shields®.



TAE-20-  
Display

## 87297 / 873003 Mobilux® Display

The Mobilux® Digital display is free with the purchase of the Mobilux® portable video magnifier.



87297  
873003

## 87274 / 873003 SmartLux Display

The SmartLux Digital display is free with the purchase of the SmartLux video magnifier.



87274  
873003

## FGX-LightSpecs Single LightSpecs™ Display

Holds 1 piece. Free with the purchase of any 3 LightSpecs™.



FGX-  
LightSpecs

## Eyewear



## Wellness PROTECT



## Mounted Telescope



## 1693 Carrier Frame



### Custom Solutions Service

For patients who need their prescription (Rx) incorporated into their head-mounted low vision device, Eschenbach offers a convenient Custom Solutions service that allows you to offer a prescription-corrected version of a number of our products. Custom Rx work is offered on 3 different categories of products:

- 1) **Eyewear** (select readers and prism eyewear)
- 2) **Absorptive filters** (WellnessPROTECT® eyewear)
- 3) **Telescopes** (Eschenbach telescopes and select Designs for Vision telescopes shown in our catalog)

#### 1) Prescription-Corrected Eyewear

Eschenbach will custom correct prismatic or microscopic eyewear for your patients based on their individual needs. Sphere, cylinder, prism, tints, and other prescription enhancements are available for your patient solutions, as well.

Custom Rx work is available on our Prismatic Eyewear (1680-xx, B2204-x, B2702-x, (see page 28), ClearImage II (see page 30), and LightSpecs™ Illuminated Readers (see page 19).

#### 2) Prescription-Corrected WellnessPROTECT® Eyewear

One of our most popular custom Rx'd products, WellnessPROTECT® Eyewear enhances contrast and provides protection from UV light in an attractive frame.

The lenses not only incorporate a patient's refractive error, but they can also be ordered in our standard Solar Shield® or SolarComfort® tints such as yellow, amber, orange, plum, and gray, among other tints. For more information about our WellnessPROTECT® Eyewear, please see page 44.

#### 3) Telescopes

A variety of Eschenbach telescopes can be prescription-corrected and mounted including our 1636 and 1634 binocular series (see page 32 and 33) and our monocular telescopes (1673 series, 1621, 1622-5 and 1623 (see page 35-36).

In addition, the Designs for Vision telescopes in our DVI-Telescope Kit can also be Rx'd and mounted including the 2.2x BIO1, 2.2x BIO2, 2.2x FTDS, and 3.0x SGTS (see page 41).

Our Custom Solutions service can mount telescopes in the superior position (bioptic), inferior position, and full-field position.

For those looking for a carrier frame in which to mount a custom telescope job, Eschenbach offers its 1693 frame (see page 40 for more details) which is ideal for such applications.

Contact our Customer Service Department at (800) 487-5389 to request a complete Custom Solutions Catalog that will contain everything you need to place your custom job including Instruction pages, Order Forms, and Price Lists. Or go to our website at [www.eschenbach.com](http://www.eschenbach.com) and click on the 'Contact Us' form.

**Note: Look for the 'Rx-able Product' icon next to products in our catalog that can be prescription-corrected.**



1=easy - 5=requires training

## Technical Data for Eschenbach Stand Magnifiers

Product Number	Magnification $V=D/4$ or $\dagger V = D/4 + 1$	Diopter $[D]=1/f$	Lens Size (mm)	Lens Type	Eye-to-Lens Distance (mm)	Lens-to-Image Distance (mm)	Eye-to-Image Distance Ratio	Transverse Magnification/ Enlargement	Maximum Allowable Add (diopter)
<b>1153</b>	8x	28.7	25	aplanatic	40	321	361	9.1	3.0
<b>1420/21</b>	2x*	16*	65	spherical	Not Specified	50	400	1.7*	20
<b>1424</b>	1.8x	7.2	45	spherical	Not Specified	Not Specified	400		
<b>1426</b>	1.8x	7.2	65 x 36 x 46	aspheric	Not Specified	Not Specified	400		
<b>1436/-1</b>	2.2x*	4.8*	90 x 35 x 70	aspheric	Not Specified	125	400	1.7*	8
<b>1436-2</b>	3.6x*	10.4*	90 x 35 x 70	aspheric	Not Specified	125*	400*	1.7*	8*
<b>1438-30</b>	3x	12	63	meniscus/aspheric					
<b>1438-8</b>	2.2-3.4x	8 - 12	70	meniscus/aspheric					
<b>1557</b>	12.5x	50	35	aspheric	40	360	400	18.3	2.8
<b>1550</b>	10x	38	35	aspheric	40	360	400	12.4	2.8
<b>1551</b>	7x	28	35	aspheric	60	340	400	10	2.9
<b>1552</b>	6x	24	50	aspheric	100	300	400	7.8	3.3
<b>1553</b>	5x	20	60	aspheric	140	260	400	5.9	3.9
<b>1554</b>	4x	16	70	aspheric	150	250	400	4.7	4.0
<b>1559</b>	3x	12	80	aspheric	250	150	400	3.1	6.7
<b>1565-1</b>	2.8x†	7	100 x 75	aspheric	250	150	400	2	6.7
<b>1580</b>	3x†	7.6	100 x 50	aspheric	250	150	400	2.2	6.7
<b>1580**</b>	4x	11.6	100 x 50	aspheric	190	210	400	3.2	4.8
<b>1582</b>	2.8x†	7	100 x 75	aspheric	250	150	400	2	6.7
<b>1582**</b>	3.8x	10.5	100 x 75	aspheric	220	180	400	2.8	5.6
<b>1586-14</b>	3.5x	14	60	aspheric					
<b>1586-20</b>	5x	20	60	aspheric					
<b>1586-28</b>	7x	28	60	aspheric					
<b>2031</b>	2.8x†	6.3	100 x 50	aspheric	250	150	400	2	6.7
<b>2032</b>	2.8x†	7	100 x 75	aspheric	250	150	400	2	6.7
<b>2034</b>	3.5x†	10	75 x 50	aspheric	250	150	400	2.9	6.7
<b>2036</b>	2.8x†	6.3	100 x 50	aspheric	250	150	400	2	6.7
<b>2636-7</b>	2.8x†	7	100 x 75	aspheric	250	150	400	2	6.7
<b>2636-11</b>	3.8x†	11	100 x 75	aspheric	250	215	465	3	4.9
<b>2626</b>	6x	23	50	aspheric	100	300	400	7.8	3.3
<b>2628</b>	10x	38	35	aspheric	40	360	400	12.4	2.8

\* Estimates

\*\* when using flip-up internal lens



# Technical Data

## Headborne Telescopes

Article number	Magnification		Visual fields * approx. values	Angle	Working distance in mm	Objective Lens diameter in mm	Weight in g
1621	2.2x	long	*250 m/1000 m	14.0°	∞	23	16
1621 + 16213	1.65x	short	*67 mm	12.0°	app. 330	27	22
1621 + 16214	2.2x	short	*54 mm	12.0°	250	27	22
1621 + 16215	2.75x	short	*44 mm	12.0°	200	27	22
1621 + 16216	3.3x	short	*35 mm	12.0°	167	27	22
1621 + 16218	4.4x	short	*25 mm	12.0°	120	27	22
1621 + 162110	5.5x	short	*22 mm	12.0°	100	27	22
1621 + 162112	6.6x	short	*18 mm	12.0°	83	27	22
1621 + 162116	8.8x	short	*14 mm	12.0°	63	27	22
1622-5	2.5x	long	230 m/1000 m	13.0°	∞	25	12
1623	2x	long	400 m	22.0°	∞	37	17
1623-3	2.5x	short	113 mm	20.0°	330	42	33
1623-4	3.0x	short	94 mm	20.0°	250	42	33
1623-5	3.5x	short	81 mm	20.0°	200	42	33
1623-6	4.0x	short	71 mm	20.0°	167	42	33
1623-8	5.0x	short	57 mm	20.0°	125	42	33
1623-10	6.0x	short	48 mm	20.0°	100	42	33
1623-12	7.0x	short	41 mm	20.0°	83	42	33
1624-11	2.1x	long	1 m/3 m	9.0°	∞	35	49
1624-51	2x	short			400	35	49
1634	3x	long	*160 m/1000 m	9.5°	700 to ∞	23	70
16344	4x	long	*130 m/1000 m	7.5°	780 to ∞	23	70
16362	2.5x	short	*91 mm/350 mm	15.0°	app. 350	23	70
16363	3x	short	*54 mm/200 mm	12.5°	app. 200	23	70
16364	4x	short	*34 mm/250 mm	8.0°	app. 250	23	70
16731	2.8x	long	220 m/1000 m	12.5°	150 to ∞	9	25
	3.4x	short	26 mm/150 mm	10.0°			
16731 + 16213	2.1x	short/long			90-337		
16731 + 16215	2.8x	short/long			83-260		
16731 + 16215	3.5x	short/long			76-207		
16731 + 16216	4.2x	short/long			70-173		
16731 + 16218	5.6x	short/long			60-124		
16731 + 162110	7.0x	short/long			53-100		
16731 + 162112	8.4x	short/long			48-80		
16731 + 162116	11.2x	short/long			40-61		
16732	4.2x	long	175 m/1000 m	10.0°	200 to ∞	10	30
	5.5x	short	25 mm/200 mm	7.2°			
16732 + 16213	3.15x	short/long			133-317		
16732 + 16214	4.2x	short/long			117-241		
16732 + 16215	5.25x	short/long			104-190		
16732 + 16216	6.3x	short/long			95-165		
16732 + 16218	8.4x	short/long			78-119		
16732 + 162110	10.5x	short/long			67-97		
16732 + 162112	12.6x	short/long			58-79		
16732 + 162116	16.8x	short/long			47-60		
16733	4.2x	long	220 m/1000 m	12.5°	200 to ∞	12	55
	5x	short	32 mm/200 mm	9.2°			
16733 + 16213	3.15x	short/long			112-323		
16733 + 16214	4.2x	short/long			101-245		
16733 + 16215	5.25x	short/long			91-191		
16733 + 16216	6.3x	short/long			83-166		
16733 + 16218	8.4x	short/long			71-122		
16733 + 162110	10.5x	short/long			61-97		
16733 + 162112	12.6x	short/long			53-78		
16733 + 162116	16.8x	short/long			44-60		
16734	6x	long	185 m/1000 m	10.5°	250 to ∞	17	60
	7.6x	short	26 mm/250 mm	6.0°			
16734 + 16213	4.5x	short/long			128-333		
16734 + 16214	6.0x	short/long			113-249		
16734 + 16215	7.5x	short/long			101-196		
16734 + 16216	9.0x	short/long			92-166		
16734 + 16218	12.0x	short/long			76-122		
16734 + 162110	15.0x	short/long			66-97		
16734 + 162112	18.0x	short/long			57-79		
16734 + 162116							

\* In Galilean Systems the actual field of view depends on the distance between eye end eyepiece. Therefore the values for the visual field are average values.  
Technical specifications subject to change without prior notice. (The view angle are measured at HSA 10 mm.)

Product	Page	Product	Page	Product	Page	Product	Page	Product	Page
1103	50	1550-73	12	1673-xx	36	2614-xx	8	B2204-x	28
1104	50	1551-73	12	1674-xxx	38	2626	52	B2702-x	28
1109-10	50	1552-73	12	1680-xx	27	2628	52	B3000-xx	29
1124-x	52	1553-93	12	1680-1 Kit	27	2636-11	14	B3001-Kit	29
1130	52	1554-93	12	1681-1Kit	26	2642-xx	7	C-100	55
1152-xx	53	1557-73	12	1681-Kit OU	26	2655-xx	6	C-100F	55
1153	52	1559-93	12	1681-xx	26	2668-xx	7	C-100S	55
1154-xx	53	1560-x	55	1682-2Kit	27	2668-9	60	C-300	55
1163	50	1565-12	16	1682-xx	27	2677	18	C-500	56
1174	52	1566	14	1693-xxxx	40	2678	18	C-Sim Kit	55
1176-xx	51	1580-63	13	1695	59	2771-104	17	Crystal XL2	45
1178-xx	51	1581-73	13	1697	59	2772-02	17	DVC-xxxx	30
1182-10	51	1582-63	13	1710-xx	11	2772-204	17	DVI-Chart	55
1184-xx	51	1586-xxx	14	1711	11	2772-9	17	DVI-2.2 BIO	41
1186-9	51	1599-10	13	1730-xxx	10	2777-0	17	DVI-2.2 FDTS	41
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1259	53	1605-1	56	18342	58	2906-907	62	FGX-Lightspecs	19
1266-xx	53	1621-x	35	18371	58	2908-xxx	20	FGX-PE2372	23
1270	53	1622-5	35	1852-1	57	2910-xx	20/21	GL-715000	18
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# ■ The Eschenbach Complete Low Vision Program

The Eschenbach Complete Low Vision Program is a turnkey package designed specifically to enhance your patient care and increase your practice income.

Eschenbach will provide you with all the tools you need to successfully incorporate low vision services into your practice including:

## 1) In-Office Staff Training

Trained Eschenbach Territory Managers will come to your practice to conduct extensive training for you and/or your staff on the applications of the vision aids, dispensing tips and practice management techniques.

## 2) Consultative Support

A broad range of marketing tools, patient screening and resource materials have been developed based on input from hundreds of successful low vision practices. We have also compiled the most frequently used third-party reimbursement codes for your reference.

## 3) Diagnostic System

The attractive and functional Optoform cabinet contains a comprehensive diagnostic inventory of vision aids to meet the diverse functional needs of the visually impaired. Several standard assortments are available or we can help you develop a customized package.



Once you have enrolled in the Eschenbach Complete Low Vision Program, your Territory Manager will always be available to come to your office for additional training, new product updates or to answer any questions you may have.

If you're considering offering low vision care in your office, increase your odds for success by choosing Eschenbach!



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Contact us Monday thru Friday between 8:30AM - 6:00pm EST

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