

Valid as per November 2009

# SCHWEIZER Products for Improved Vision





The SCHWEIZER home in Forchheim/Germany with a production area of 5500 m<sup>2</sup>

The family company SCHWEIZER was founded already in the year 1840 in Germany. SCHWEIZER developed from a glass grinding company and the manufacturing of optical goods into a leading supplier of product solutions for improved vision.

Since 1945 until today SCHWEIZER produces magnifiers in Germany. The offered range is continuously expanded by new and innovative products.

Experience, competence, customer satisfaction and not at last the full dedication of the staff has made SCHWEIZER to a leading specialist for improved vision. For instance SCHWEIZER was the first company to introduce a modular magnifier system with interchangeable magnification heads to the world market. At the end of the nineties SCHWEIZER produced the world's first illuminated magnifier with LED light.

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Another world novelty was the development of a comprehensive ergonomic magnifier series for comfortable reading. Every time the user-friendly innovations are at the forefront of product solutions for improved vision.

The global export activities of SCHWEIZER in presently more than 40 countries are serviced by their sister company ImproVision. This name stands for Improved Vision. Highly specialized country distributors are identified, educated and supported permanently for the benefit of the local eye care professionals and their customers in a growing number of countries.

Magnifiers

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Magnifiers are the most common classic visual aids for improved vision.

They are used to enlarge the image of an object, for example for reading, in case of a reduced visual acuity or just for hobby and leisure in order to see details quite clearly.

Illuminated magnifiers combine such an enlarged image with the advantages of an optimized light. An individually tested light temperature is more comfortable and the reading is less stressful. Such a good and appropriate light results in a better visual acuity.

# Magnifiers



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# ERGO-Line

Magnifiers are a part of life. The ERGO-Line changes the use of a magnifier to a comfortable experience.

- Style and function are comprehensively combined under ergonomic aspects
- The ERGO-Line series is fully assimilated to natural body movements
- Thumb and index finger automatically control the fine tuning



## ■ ERGO-Style

The classic reading magnifier in a new ergonomic style for use at home or on the move.

## ■ ERGO-Lux

The version enriched by battery operated 4 chip SMD LED lighting for an ideal illumination in manifold applications.

## ■ ERGO-Base

The fixed-focus holder converts the ERGO-Lux into the perfect illuminated stand magnifier.

## ■ ERGO-Pocket

The little magnifier is a smart companion on the move as it fits in every pocket and can also be attached to a lanyard.



179502 ERGO-Box display and storage (without content)

### 179512 ERGO-Box with content

ERGO-Style: 24 D, 8 D Arcadian blue; 20 D Kerry green;  
16 D Bordeaux red; 12 D Caribbean blue

ERGO-Lux: 24 D, 8 D Arcadian blue; 20 D Kerry green;  
16 D Bordeaux red; 12 D Caribbean blue

ERGO-Base: For 24 D, 20 D, 16 D, 12 D, 8 D

## ■ ERGO-Style

The classic reading magnifier in a revolutionary style!

- The ergonomic design, the clear appearance and the completely new feel turn the use and the aesthetics into a new experience
- The right distance between the lens and the object as well as the ergonomic design ensure a natural and stress free posture
- Right-hand or left-hand use of all round lenses
- Available in 4 modern colours
- Aspheric lightweight lens



### Box ERGO-Style with all 5 magnification powers

- 179312** Arcadian blue
- 179322** Caribbean blue
- 179332** Bordeaux red
- 179342** Kerry green
- 179352** Random mix of colours
- 179912** Without content



- 174312** Arcadian blue
  - 174322** Caribbean blue
  - 174332** Bordeaux red
  - 174342** Kerry green
- 24 D / Ø 55 mm (opt. Ø 52,5 mm)



- 175312** Arcadian blue
  - 175322** Caribbean blue
  - 175332** Bordeaux red
  - 175342** Kerry green
- 20 D / Ø 55 mm



- 176312** Arcadian blue
  - 176322** Caribbean blue
  - 176332** Bordeaux red
  - 176342** Kerry green
- 16 D / Ø 60 mm



- 177312** Arcadian blue
  - 177322** Caribbean blue
  - 177332** Bordeaux red
  - 177342** Kerry green
- 12 D / Ø 70 mm



- 178312** Arcadian blue
  - 178322** Caribbean blue
  - 178332** Bordeaux red
  - 178342** Kerry green
- 8 D / 100 x 75 mm



**174012** Arcadian blue

**174022** Caribbean blue

**174032** Bordeaux red

**174042** Kerry green

24 D / Ø 55 mm (opt. Ø 52,5 mm)



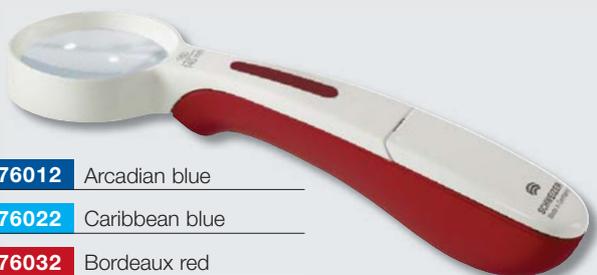
**175012** Arcadian blue

**175022** Caribbean blue

**175032** Bordeaux red

**175042** Kerry green

20 D / Ø 55 mm



**176012** Arcadian blue

**176022** Caribbean blue

**176032** Bordeaux red

**176042** Kerry green

16 D / Ø 60 mm



**177012** Arcadian blue

**177022** Caribbean blue

**177032** Bordeaux red

**177042** Kerry green

12 D / Ø 70 mm



**178012** Arcadian blue

**178022** Caribbean blue

**178032** Bordeaux red

**178042** Kerry green

8 D / 100x75 mm

# ERGO-Line

## ERGO-Lux

Battery operated illuminated hand magnifier in a revolutionary style with a 4 chip SMD LED.

- Very bright, consistent and high-contrast light by the special light emitting diode
- Ideal illumination of the reading material or viewing object
- Low energy consumption and long battery lifetime – The change of the batteries is a child's play due to an easy closing mechanism in the handle
- The ergonomic design, the clear appearance and the completely new feel turn the use and the aesthetics into a new experience
- The right distance between the lens and the object as well as the ergonomic design ensure a natural and stress free posture
- Right-hand or left-hand use of all round lenses
- Available in 4 modern colours
- Aspheric lightweight lens
- 3 AAA alkaline batteries required (not included)



**156002** Pack of 3 AAA alkaline batteries



**Box ERGO-Lux with all 5 magnification powers**

**179012** Arcadian blue

**179022** Caribbean blue

**179032** Bordeaux red

**179042** Kerry green

**179052** Random mix of colours

**179932** Without content

## ■ ERGO-Base

The fixed-focus holder ERGO-Base converts the ERGO-Lux into the perfect illuminated stand magnifier.

- Connection by a patented magnetic mechanism which excludes any mechanical abrasion
- Easy scrolling on the object
- Stress-free reading inclination by tilting the fixed-focus holder towards the user
- The easy tilting mechanism guarantees a stable and firm hold by locking the reading inclination
- Right-hand or left-hand use of all round lenses
- For mobile use the magnifier is easily disconnected and separated
- Available for all 5 magnification powers of the ERGO-Lux series



**179102** Box ERGO-Base with all 5 fixed-focus holders



**174102** Suitable for ERGO-Lux 24 D / Ø 55 mm



**175102** Suitable for ERGO-Lux 20 D / Ø 55 mm



**176102** Suitable for ERGO-Lux 16 D / Ø 60 mm



**177102** Suitable for ERGO-Lux 12 D / Ø 70 mm



**178102** Suitable for ERGO-Lux 8 D / 100x75 mm



- 180512** Arcadian blue
  - 180522** Caribbean blue
  - 180532** Bordeaux red
  - 180542** Kerry green
  - 180562** One each colour
- 56 D / Ø 35 mm, pack of 4 pieces



- 180412** Arcadian blue
  - 180422** Caribbean blue
  - 180432** Bordeaux red
  - 180442** Kerry green
  - 180482** One each colour
- 48 D / Ø 35 mm, pack of 4 pieces



- 180312** Arcadian blue
  - 180322** Caribbean blue
  - 180332** Bordeaux red
  - 180342** Kerry green
  - 180392** One each colour
- 39 D / Ø 35 mm, pack of 4 pieces



- 180212** Arcadian blue
  - 180222** Caribbean blue
  - 180232** Bordeaux red
  - 180242** Kerry green
  - 180282** One each colour
- 28 D / Ø 35 mm, pack of 4 pieces



- 180112** Arcadian blue
  - 180122** Caribbean blue
  - 180132** Bordeaux red
  - 180142** Kerry green
  - 180162** One each colour
- 16 D / Ø 35 mm, pack of 4 pieces

# ERGO-Line

## ERGO-Pocket

Pocket magnifier with easy handling as well as an aesthetic and appealing design.

- Fits in every pocket
- Convenient integrated lanyard holder
- The ergonomic design ensures a natural and comfortable handling
- An intelligent folding mechanism enables a speedy opening of the magnifier with one movement of the hand
- Available in 4 modern colours
- Aspheric lightweight lens



### 509002 Display ERGO-Pocket

Content: 16 magnifiers (2 pieces of each colour in the powers 28 D and 16 D) and 5 lanyards



### 180902 Pack of 5 lanyards



# LED illuminated hand magnifiers

## ■ ÖKOLUX plus mobil



Battery operated illuminated hand magnifier with a 4 chip SMD LED available in 3 light temperatures (2700 K, 4500 K and 6000 K).

- Improved reading fluency due to individually tested light temperature
- Very bright, consistent and high-contrast light by the special light emitting diode
- Ideal illumination of the reading material or viewing object
- Low energy consumption and long battery lifetime – The change of the batteries is a child's play due to an easy closing mechanism in the handle
- Microfiber pouch for protection and lens cleaning included
- Convenient integrated lanyard holder
- Aspheric lightweight lens
- 3 AAA alkaline batteries required (not included)

### 156002 Pack of 3 AAA alkaline batteries



### 134092 Box ÖKOLUX plus mobil 4500 K

Content: 28 D, 24 D, 20 D, 16 D, 12 D, 10 D, 10 D angled



### 134082 Display ÖKOLUX plus mobil 4500 K

Content: 24 D, 20 D, 16 D, 2 x 12 D, 10 D, 10 D angled

### 130082 Display ÖKOLUX plus mobil 3 light temp.

Content: 16 D in 4500 K; 20 D in 3 light temp.; 10 D angled in 3 light temp.



### Suitable soft case

119602 Suitable for Ökolux plus mobil 56 D, 48 D, 39 D, 28 D

119612 passend für Ökolux plus mobil 24 D, 20 D, 16 D, 12 D

119622 passend für Ökolux plus mobil 10 D, 10 D angled

Light temperatures: **2700 K** **4500 K** **6000 K**



**132562** **134562** **136562**

56 D / Ø 35 mm (opt. Ø 27,0 mm)

**132482** **134482** **136482**

48 D / Ø 35 mm (opt. Ø 27,5 mm)

**132392** **134392** **136392**

39 D / Ø 35 mm

**132282** **134282** **136282**

28 D / Ø 35 mm

**132242** **134242** **136242**

24 D / Ø 55 mm (opt. Ø 52,5 mm)

**132202** **134202** **136202**

20 D / Ø 55 mm

**132162** **134162** **136162**

16 D / Ø 60 mm

**132122** **134122** **136122**

12 D / Ø 70 mm

**132112** **134112** **136112**

10 D / 75x50 mm

**132102** **134102** **136102**

10 D / 75x50 mm, angled

Light temperatures: **2700 K** **4500 K** **6000 K**

**142562** **144562** **146562**

56 D / Ø 35 mm (opt. Ø 27,0 mm)

**142482** **144482** **146482**

48 D / Ø 35 mm (opt. Ø 27,5 mm)

**142392** **144392** **146392**

39 D / Ø 35 mm

**142282** **144282** **146282**

28 D / Ø 35 mm

**142242** **144242** **146242**

24 D / Ø 55 mm (opt. Ø 52,5 mm)

**142202** **144202** **146202**

20 D / Ø 55 mm

**142162** **144162** **146162**

16 D / Ø 60 mm

**142122** **144122** **146122**

12 D / Ø 70 mm

**142082** **144082** **146082**

8 D / 100x75 mm

# LED illuminated stand magnifiers

■ ÖKOLUX plus



Battery operated illuminated stand magnifier with a 4 chip SMD LED available in 3 light temperatures (2700 K, 4500 K and 6000 K).

- Improved reading fluency due to individually tested light temperature
- Separate battery handles in different light temperatures available
- Very bright, consistent and high-contrast light by the special light emitting diode
- Ideal illumination of the reading material or viewing object enhanced by light-coloured material of the closed magnification head
- Perfect handling through functional design
- Adjustable reading inclination of 8 D magnification head for right-hand or left-hand use
- Low energy consumption and long battery lifetime
- Aspheric lightweight lens
- 3 AA alkaline batteries required (not included)

**155002** Pack of 3 AA alkaline batteries



**144292** Box ÖKOLUX plus high power lenses 4500 K

Content: 56 D, 48 D, 39 D, 28 D



**144092** Box ÖKOLUX plus 4500 K

Content: 20 D, 16 D, 12 D, 8 D

## ■ Magnification heads

Easily interchangeable closed magnification head available in 9 different magnification powers.

## ■ Magnifier handles

Easily interchangeable magnifier handle available in 3 different light temperatures.



**142002** Handle ÖKOLUX plus  
2700 K

**144002** Handle ÖKOLUX plus  
4500 K

**146002** Handle ÖKOLUX plus  
6000 K



**140292** Box ÖKOLUX plus high power lenses for testing  
Content: Heads 56 D, 48 D, 39 D, 28 D and handles  
2700 K, 4500 K, 6000 K



**140092** Box ÖKOLUX plus for testing  
Content: Heads 20 D, 16 D, 12 D, 8 D and handles  
2700 K, 4500 K, 6000 K



**140562** Head ÖKOLUX plus  
56 D / Ø 35 mm (opt. Ø 27,0 mm)



**140482** Head ÖKOLUX plus  
48 D / Ø 35 mm (opt. Ø 27,5 mm)



**140392** Head ÖKOLUX plus  
39 D / Ø 35 mm

**140282** Head ÖKOLUX plus  
28 D / Ø 35 mm



**140242** Head ÖKOLUX plus  
24 D / Ø 55 mm (opt. Ø 52,5 mm)



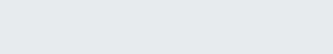
**140202** Head ÖKOLUX plus  
20 D / Ø 55 mm



**140162** Head ÖKOLUX plus  
16 D / Ø 60 mm



**140122** Head ÖKOLUX plus  
12 D / Ø 70 mm



**140082** Head ÖKOLUX plus  
8 D / 100 x 75 mm

# LED illuminated stand magnifiers

## ■ TWIN LUX LED

Illuminated stand magnifier with three 4 chip SMD LEDs in the light temperature 4500 K with battery operation or mains operation (only 230 V / 50 Hz with Euro-plug).

- 3 precisely aligned 4 chip SMD LEDs for consistent and high-contrast illumination
- Perfect handling through functional design
- Comfortable reading posture through ergonomically tilted style
- Low energy consumption and long battery lifetime
- 4,4x magnification power created by 2 aspheric lightweight lenses at an accurately computed distance
- The world's largest field of view at a magnification power of 4,4x
- 3 AA alkaline batteries required (not included)



4,4x



**916202** Battery operation

8 D / 100x75 mm

**916002** Mains operation

8 D / 100x75 mm

**155002** Pack of 3 AA alkaline batteries

# Illuminated stand magnifiers

## ■ MODULAR AKKU



Rechargeable battery operated stand magnifier (100 – 240 V / 50 – 60 Hz with Euro-plug, other plugs available on request) with krypton lighting “Kryptostar” (400 hrs. lifetime).

Built-in NiMH battery pack with a lifetime of about 1000 charging cycles. Operation time about 1,5 hrs. when fully charged. Only 2 hrs. charging time during operation.

## ■ MODULAR



Mains operated stand magnifier (only 230 V / 50 Hz with Euro-plug) with halogen lighting “Halostar” (2000 hrs. lifetime).

- Ideal brightness and contrast
- Many useful accessories
- Available as complete magnifier
- Set of filters included
- Easily interchangeable open magnification head available in different magnification powers
- Application of an additional lens for a total magnification power of 4,4 x with the most common rectangular lens as shown on page 17
- Possibility to write under the low power lenses
- Reading inclination for right-hand or left-hand use
- Perfect handling through functional design
- Low energy consumption
- Aspheric lightweight lens

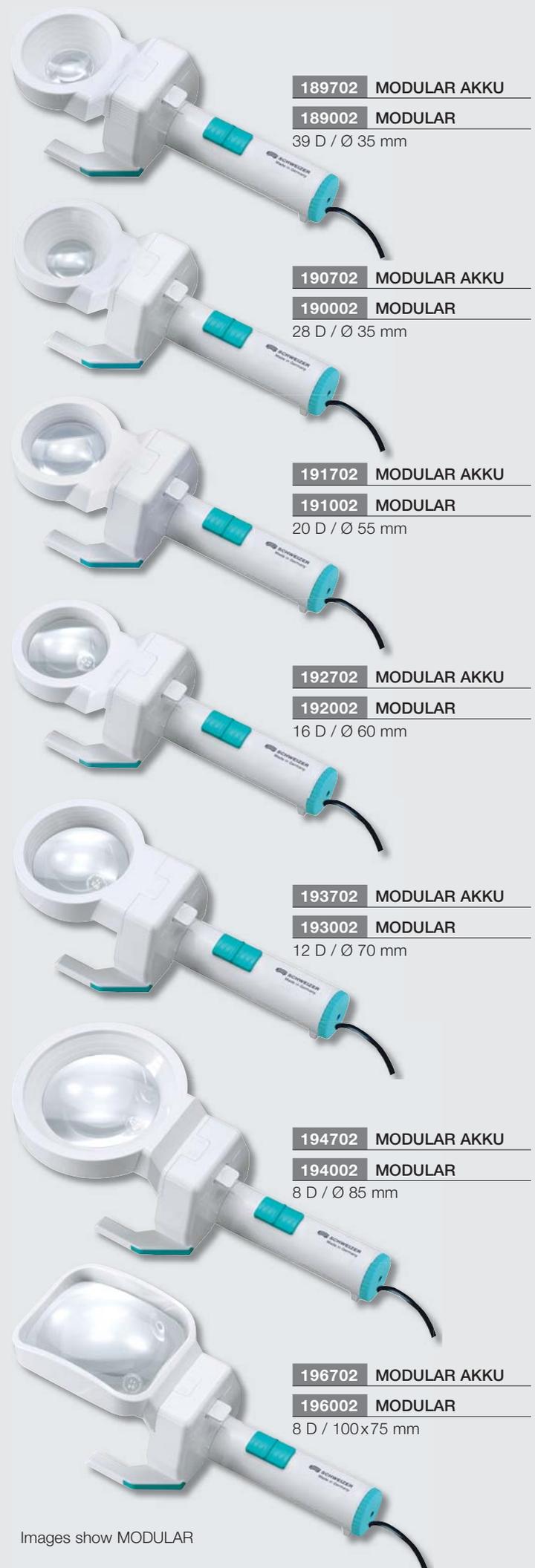
### 227002 Box MODULAR AKKU

Content: Complete magnifier 8 D; heads 20 D, 12 D; set of 2 bottom plates



### 220002 Box MODULAR

Content: Complete magnifier 8 D; heads 20 D, 12 D; set of 2 bottom plates



Images show MODULAR

# Illuminated stand magnifiers

## ■ MODULAR AKKU / MODULAR open magnification heads

Easily interchangeable open magnification head  
available in 7 different magnification powers.



189102 39 D / Ø 35 mm



190102 28 D / Ø 35 mm



191102 20 D / Ø 55 mm



192102 16 D / Ø 60 mm



193102 12 D / Ø 70 mm



194102 8 D / Ø 85 mm



196102 8 D / 100x75 mm

Proven  
LOW VISION  
Product



## ■ MODULAR AKKU basic unit

Krypton handle with separate transformer cable (100 – 240 V / 50 – 60 Hz with Euro-plug, other plugs available on request) and “Kryptostar” screw bulb, tilting part for individual inclination for right-hand or left-hand use, set of filters.

## ■ MODULAR basic unit

Halogen handle with fixed transformer cable (only 230 V / 50 Hz with Euro-plug) and “Halostar” plug bulb, tilting part for individual inclination for right-hand or left-hand use, set of filters.

## ■ MODULAR AKKU handle

Spare part with separate transformer cable (100 – 240 V / 50 – 60 Hz with Euro-plug, other plugs available on request) and “Kryptostar” screw bulb.

## ■ MODULAR handle

Spare part with fixed transformer cable (only 230 V / 50 Hz with Euro-plug) but without halogen plug bulb.



## ■ Additional lens 6 D

Aspheric lightweight lens (100x50 mm) in a slide-in mount. The additional lens is used in combination with the rectangular open magnification head. This gives a total magnification power of 4,4x across a large field of view.

## ■ Set of 2 bottom plates

Made from transparent plastic with guiding line or with reading bar (additional vertical magnification).

## ■ Tilting part

Spare part inclinable in both directions, for right-hand or left-hand use.



Basic unit (without head)

182702 MODULAR AKKU

182002 MODULAR



Handle spare part

186602 MODULAR AKKU

186002 MODULAR



184002 Additional lens 6 D



185002 Set of 2 bottom plates



183002 Tilting part



# Aspheric reading magnifiers

## ■ BOY, SIR, BOSS

Foldable reading magnifier with aspheric lightweight lens.

- Mount and handle made from matt black plastic
- Folding handle
- Folding stand made from metal with adjustable reading inclination



**901002 BOY**  
8 D / 75x50 mm



**902002 SIR**  
6 D / 100x50 mm



**903002 BOSS**  
8 D / 100x75 mm



## **212002** Box BOY, SIR, BOSS, SEMPRAL

Content: BOY + case; SIR + case; BOSS + case;  
SEMPRAL 12 D, 6 D



### Suitable case

**119012** Suitable for BOY

**119022** Suitable for SIR

**119032** Suitable for BOSS



## ■ SEMPRAL

The elegant design of the SEMPRAL series turns this everyday aid into a trendy product.

- Aspheric lightweight lens
- Ideal for reading or looking at pictures at good surrounding light conditions
- Convenient integrated lanyard holder



### 214002 Box SEMPRAL

Content: 39 D, 28 D, 20 D, 16 D, 12 D, 8 D, 6 D



### Suitable soft case

119602 Suitable for SEMPRAL 39 D, 28 D

119622 Suitable for SEMPRAL 20 D, 16 D

119632 Suitable for SEMPRAL 12 D



883902 39 D / Ø 35 mm



883502 28 D / Ø 35 mm



885502 20 D / Ø 55 mm



886002 16 D / Ø 60 mm



887002 12 D / Ø 70 mm



889002 8 D / Ø 90 mm



881502 6 D / 100x50 mm

# Aspheric reading magnifiers

## ■ FUNCTIONAL

Economic reading magnifier with aspheric lightweight lens.

- Mount and handle are made in one piece
- Loop in the handle for a lanyard or a cord



833902 39 D / Ø 35 mm



833502 28 D / Ø 35 mm



835502 20 D / Ø 55 mm



836002 16 D / Ø 60 mm



837002 12 D / Ø 70 mm



831002 6 D / Ø 100 mm



831702 8 D / 100x75 mm



210502 Box FUNCTIONAL

Content: 28 D, 20 D, 16 D, 12 D, 6 D, 8 D



Suitable soft case

119602 Suitable for FUNCTIONAL 39 D, 28 D

119612 Suitable for FUNCTIONAL 20 D, 16 D

119632 Suitable for FUNCTIONAL 12 D

# Biconvex reading magnifiers

## ■ CLASSIC

Reading magnifier with biconvex glass lens.

- Matt black round plastic handle; premium chrome-plated brass mount

## ■ BIFOCUS

Reading magnifier with biconvex glass lens and additional lens (Bifo).

- Matt black round plastic handle; premium chrome-plated brass mount



### 210202 Box CLASSIC, BIFOCUS

Content: CLASSIC 10 D, 2 x 6 D; BIFOCUS 2 x 4 D

## ■ ELEGANT

Reading magnifier with biconvex glass lens.

- Handle made from noble wood; premium chrome-plated brass mount



### Suitable leather case

119172 Black, suitable for CLASSIC 12 D, 10 D

119182 Black, suitable for CLASSIC 6 D; BIFOCUS 6 D

119192 Black, suitable for CLASSIC 4 D

119222 Black, suitable for BIFOCUS 4 D

119322 Brown, suitable for ELEGANT

### 119632 Suitable soft case

Suitable for CLASSIC 12 D, 10 D, 6 D, 4 D; BIFOCUS 6 D, 4 D; ELEGANT



556502 CLASSIC

12 D / Ø 65 mm



516002 CLASSIC

10 D / Ø 65 mm



517502 CLASSIC

6 D / Ø 75 mm



519002 CLASSIC

4 D / Ø 90 mm



537502 BIFOCUS

6 D / Ø 75 mm

Bifo: 16 D / Ø 20 mm



531502 BIFOCUS

4 D / 100x50 mm

Bifo: 12 D / Ø 30 mm



567502 ELEGANT

6 D / Ø 75 mm



### Visolett®

Circular magnifier with plastic rim

**930642** 1:1,8 / Ø 40 mm

**930662** 1:1,8 / Ø 65 mm

### **930602** Leather case

with zipper, black, for Ø 65 mm Visolett® magnifier



### **930652** Visolett®

Segment with inclination 1:1,8 / 25x65 mm



### Bright field magnifier

**930672** 1:1,8 / Ø 50 mm

**930682** 1:1,8 / Ø 65 mm

**930692** 1:1,8 / Ø 80 mm

**930702** 1:1,8 / Ø 95 mm



### Bright field magnifier with guiding line

**930762** 1:1,8 / Ø 50 mm

**930772** 1:1,8 / Ø 65 mm

**930782** 1:1,8 / Ø 80 mm

**930792** 1:1,8 / Ø 95 mm

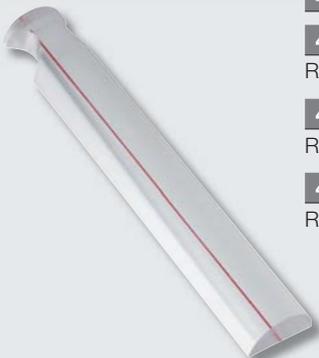
### Reading bar

**432142** 2x, 140x20 mm / 165x20 mm

**433202** 1,5x, 200x25 mm / 250x32 mm  
Ruler (20 cm)

**432202** 1,5x, 200x35 mm / 220x35 mm  
Red guiding line

**432332** 1,5x, 330x35 mm / 350x35 mm  
Red guiding line



# Special magnifiers



## ■ Visolett® magnifiers

Bright field magnifier made from glass with white plastic rim.

- Visolett® glass of DESAG

## ■ Bright field magnifiers



Bright field magnifier made from acryl glass.

- Concave bottom side avoids scratches
- Black cloth pouch included

### **930752** Box special magnifiers

Content: Visolett® magnifier Ø 40 mm, Ø 65 mm + case, segment 25x65 mm; bright field magnifier Ø 50 mm, Ø 65 mm, Ø 80 mm, Ø 95 mm; reading bar 140x20 mm, 200x35 mm



### **930812** Trial box bright field magnifiers

Content: Visolett® magnifier segment 25x65 mm; bright field magnifier Ø 50 mm, Ø 65 mm, Ø 80 mm, Ø 95 mm; bright field magnifier with guiding line Ø 50 mm



## ■ Reading bars

Reading bar made from clear optical plastic.

- Integrated handle recess
- Vertical magnification

### Velour leather case for reading bar

**432152** Suitable for 140x20 mm

**433212** Suitable for 200x25 mm

**432212** Suitable for 200x35 mm

**432342** Suitable for 330x35 mm



# Stand and needlework magnifiers

## ■ MODULAR TS



Stand magnifier with easily interchangeable open magnification head available in different magnification powers.

- Available as complete magnifier
- Possibility to write under the low power lenses
- Reading inclination for right-hand or left-hand use
- Aspheric lightweight lens
- Use of all open magnification heads as shown on page 16 and use of set of 2 bottom plates as shown on page 17



**183102 MODULAR TS basic unit**

Tilt stand without magnification head

## ■ Needlework magnifier

The ideal magnifier for needlework.

- Biconvex lightweight lens with higher power insert to see details more clearly
- Mount and rest made from transparent acryl
- Adjustable neck cord



**794002 Needlework magnifier**

4 D / Ø 110 mm with insert 14 D / Ø 30 mm



**183202 MODULAR TS**

39 D / Ø 35 mm



**183302 MODULAR TS**

28 D / Ø 35 mm



**183402 MODULAR TS**

20 D / Ø 55 mm



**183502 MODULAR TS**

16 D / Ø 60 mm



**183602 MODULAR TS**

12 D / Ø 70 mm



**183702 MODULAR TS**

8 D / Ø 85 mm



**183802 MODULAR TS**

8 D / Ø 100x75 mm

# Pocket magnifiers

## ■ Folding magnifiers with leather housing

Convenient pocket magnifier with biconvex glass lens.

- Mount made from transparent plastic
- Housing made from strong grain leather



418342 Graphite black, 20 D / Ø 30 mm



418312 Red, 20 D / Ø 30 mm



418642 Graphite black, 10 D / Ø 60 mm



418612 Red, 10 D / Ø 60 mm



# Working stand magnifiers

## ■ Stand magnifier with glass lens

Hands-free magnifier with aplanatic optical system.

- Chrome-plated metal mount
- Cast base coated with black plastic Ø 130 mm
- Flexible metal goose neck with 300 mm length

## ■ Stand magnifier with lightweight lens

Ideal image quality across a large rectangular field of view.

- Black plastic mount
- Cast base coated with black plastic Ø 130 mm
- Flexible metal goose neck with 300 mm length

## ■ Illuminated stand magnifiers

Ideal illumination in the light temperature 4000 K (only 230 V / 50 Hz with Euro-plug).

- Biconvex glass lens
- Table clamp and adjustable arm or table base and flexible metal goose neck



**312652** 10 D / Ø 65 mm, aplanatic optical system



**314002** 8 D / 100x75 mm, aspheric lightweight lens



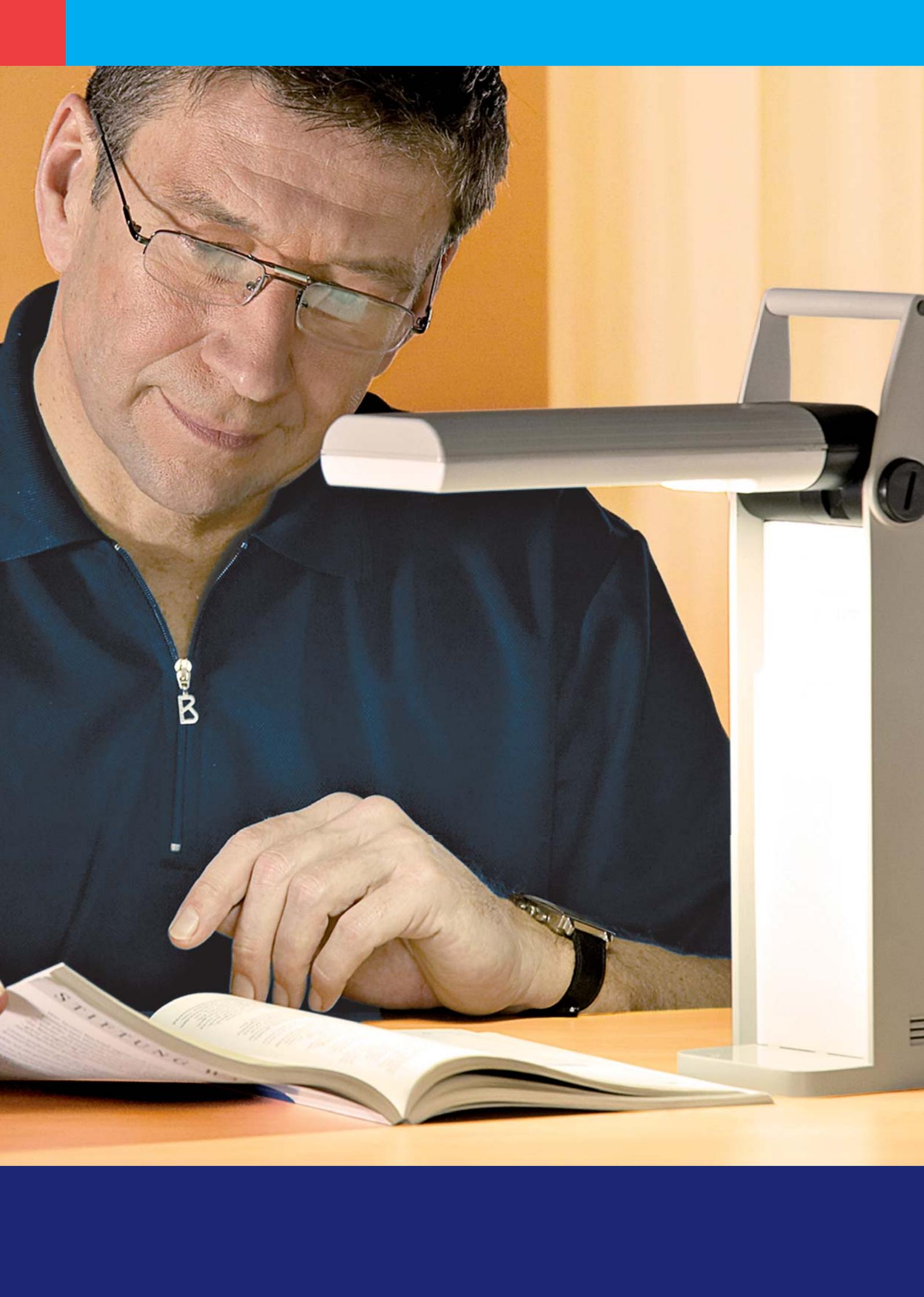
**290132** 4 D / Ø 120 mm, biconvex glass lens

Adjustable arm, table clamp, 13 W energy saving lamp 4000 K



**292132** 4 D / Ø 120 mm, biconvex glass lens

Goose neck, table base, 13 W energy saving lamp 4000 K



The therapeutic service for visually impaired people starts with an optimization of the lighting according to the person's needs.

In multiple studies with visually impaired people Professor Hartmann from Munich/ Germany has diagnosed that a very good and appropriate lighting results in a considerably increased visual acuity. An individually tested light temperature is more comfortable and the reading is less stressful.

With an optimized lighting the otherwise needed magnification requirement can be reduced.

# Lamps

# 2

Contents

LowVision lamps

p. 28

# LowVision lamps

## ■ LowVision floor lamp electronic

Floor base lamp with 18 W fluorescent tube and electronic ballast for a flicker-free illumination and a better light efficiency.

- Lightweight and solid
- Flexible goose neck
- Dimensions:
  - Floor – Goose neck: 105 cm
  - Goose neck: 28 cm
  - Lamp head: 35 cm
- Power supply only 230 V / 50 Hz with Euro-plug
- Fixed cord with plug 210 cm



### LowVision floor lamp electronic

**936833** 18 W / 2700 K

**936843** 18 W / 4000 K

**936853** 18 W / 6500 K

**936863** 18 W / VisionSaver Plus

### Spare tube

**936873** 18 W / 2700 K

**936503** 18 W / 4000 K

**936893** 18 W / 6500 K

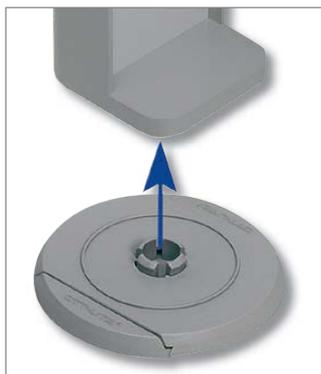
**936903** 18 W / VisionSaver Plus



## ■ MULTILIGHT electronic

Folding task lamp with 13 W fluorescent tube and electronic ballast for a flicker-free illumination and a better light efficiency.

- Switches on and off automatically as the head is opened and closed
- Lightweight and requires only little space
- Portable and compact; also with rechargeable battery (Akku)
- Footprint: 90x90 mm (mains), 90x100 mm (Akku); height: 280 mm; weight: 950 g (mains), 1400 g (Akku)
- Power supply only 230 V / 50 Hz with Euro-plug
- Fixed cord with plug 210 cm (mains), 190 cm (Akku)
- 3 hours permanent operation with rechargeable battery (Akku)



**936483 Turnable base**

## ■ LowVision table lamp electronic

Table lamp with solid table base, 11 W fluorescent tube and electronic ballast for a jitter-free instant start, flicker-free illumination and a better light efficiency.

- Lamp head can be positioned ideally through adjustable arm
- Power supply only 230 V / 50 Hz with Euro-plug
- Fixed cord with plug 150 cm



### MULTILIGHT electronic

Mains	Akku	
<b>936443</b>	<b>936933</b>	13 W / 2700 K
<b>936453</b>	<b>936943</b>	13 W / 4100 K
<b>936463</b>	<b>936953</b>	13 W / 6500 K
<b>936473</b>	<b>936963</b>	13 W / VisionSaver Plus

### Spare tube

Mains	Akku	
<b>936663</b>	<b>936973</b>	13 W / 2700 K
<b>936673</b>	<b>936983</b>	13 W / 4100 K
<b>936683</b>	<b>936993</b>	13 W / 6500 K
<b>936693</b>	<b>937003</b>	13 W / VisionSaver Plus



**936703 LowVision table lamp electronic**  
11 W / 4000 K

### Spare tube

<b>936613</b>	11 W / 4000 K
<b>936603</b>	11 W / 2700 K
<b>936623</b>	11 W / 6500 K

**936583 Table clamp, white**



The main demands of visually impaired people – often elderly persons – are the reading of newspapers, bank statements, telephone directories, package inserts of drugs and watching television.

Consequently one essential target of providing visual aids is the maintenance or rather the restoration of the reading ability. This challenge often can also be resolved with telescopes which at the same time are also suitable for far and intermediate working distances such as for example watching television.

Telescopes with a magnification power between about 2x and 4x are mounted in a frame to create hands-free telescopic spectacles. For higher magnification needs hand-held monocular telescopes are used.

# Telescopes

## Contents

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<u>Kepler telescopes</u>	<u>p. 34</u>
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# Galilei telescopes



**931905** 2,1x  
Field of view 20,0°; 18 g



**931915** 2,5x  
Field of view 18,0°; 18 g



**931925** 2,7x  
Field of view 13,2°; 30,5 g



### Flip-up front caps

**931745** +0,5 / +4,0 D

**931775** +0,5 / +7,0 D

**931795** +0,5 / +9,5 D



### Front caps, coated

**931635** 3,0 D

**931645** 4,0 D

**931655** 5,0 D

**931665** 6,0 D

**931685** 8,0 D

**931625** 12,0 D

Small and lightweight fixed focus Galilei telescope with multi-coated lenses in an aluminium housing.

- Two groups of computer-optimised lenses
- Designed for mounting in a frame, lock ring included
- Ideal for SCHWEIZER telescope frames as shown on page 42 and 43
- Set infinite focal distance; front caps for close working distances (reading)
- Correction of refractive errors and adjustment of the set infinite focal distance through a back correction lens with Ø 22 mm
- Binocular use for close working distances is possible with special mounting lenses

## ■ Flip-up front caps

Front cap for 2 working distances.

- First fixed lens for an intermediate working distance of 2 m to match a common TV distance (no need of the back correction lens)
- Second flip-up lens for close working distances available in 3 powers; folds down and up easily
- Easy use for close working distances (monocular)

## ■ Accessories

### **931505** Opaque front cap

For occlusion of one eye

### **931515** Empty front cap housing

For individual front cap (pack of 2)

## ■ Binocular use

Mounting lens for binocular use with the according convergence.

- Mounting lens packed in pairs inclusive mounting adapters for the fitting of back correction lenses
- Mounting lens made from PMMA material (Plexiglas®)



**937106** Case for telescopic spectacles



**931037** Trial box Galilei

Content: 2 x 2,1x in adapter for trial frame; all coated front caps and opaque front cap; 2 empty spaces for 2,7x in adapter for trial frame (not included)



### Mounting lens inclusive mounting adapter

**933225** Binocular use for 200 mm working distance, 2 pieces

**933255** Binocular use for 250 mm working distance, 2 pieces

**933235** Binocular use for 330 mm working distance, 2 pieces

**933265** Without convergence for reduced back vertex distance BVD, 2 pieces



### Convergence adapter for trial frame

**933315** 200 mm; 5,0 D; 2 pieces

**933325** 250 mm; 4,0 D; 2 pieces

**933335** 330 mm; 3,0 D; 2 pieces

# Kepler telescopes



**931935 Kepler 3x9**

Magnification 3x, field of view 12,5°, objective Ø 9 mm



**931945 Kepler 4x10**

Magnification 4x, field of view 10,0°, objective Ø 10 mm



**931955 Kepler 4x12**

Magnification 4x, field of view 12,5°, objective Ø 12 mm

Small and lightweight focusable Kepler telescope.

- Multi-coated achromatic precision optics
- Silver-black light metal housing, matt finish
- Focusable between infinity and about 250 mm
- Designed for mounting in a frame, 2 lock rings included
- Optional adapter to use the front caps of SCHWEIZER Galilei telescopes for close working distances
- Ideal for SCHWEIZER telescope frames as shown on page 42 and 43



**937106 Case for telescopic spectacles**

## ■ Application tip

SCHWEIZER Kepler telescopes can be focused for the needed working or reading distance. Furthermore they offer the following application possibilities:

### ■ Application with focus stop ring

For a particular application of the telescope such as watching television the eye care professional brings the telescope into focus and fastens the focus stop ring on the housing to act as a stopper.

For closer working distances the visually impaired person can still screw out the objective to bring the telescope into focus. By turning back the objective up to the stopper the telescope easily is focused again for the original application such as watching television.

### ■ Application with fixed focus

For this purpose the telescope is brought into focus for a particular application such as watching television and the eye care professional locks this focal distance with the screws in the housing. For close working distances the front caps of SCHWEIZER Galilei telescopes can be used with an adapter.

Elderly visually impaired people often prefer a fixed focal distance due to some motor dysfunctions.



Focus stop ring

**932525** Suitable for 3x9, 4x10

**932505** Suitable for 4x12



## ■ Accessories

### Adapter for front caps

**932515** Suitable for 3x9, 4x10

**932535** Suitable for 4x12



**936097** Box of mounting parts



**932545** Adapter Galilei for trial frame

Pack of 2 pieces



**932575** Adapter Kepler for trial frame

Pack of 2 pieces

**Mounting service:**

Please request a quotation for individually made ready-to-use telescopic spectacles from SCHWEIZER for your customers.

# Frame mounting of telescopes

## ■ Box of mounting parts

This box contains all mounting parts which are needed to mount a telescope in a frame: Mounting lenses with and without mounting slot made from CR39 (3 pcs. each), set of washers, spare lock rings, adapters for back correction lens, adapters for trial frame, centring test lamp, titanium telescope frame with stencils.

## ■ Individual mounting parts

**932765** Mounting lens with mounting slot

3 mm thickness, Ø 80 mm, pack of 2 pieces

**932865** Mounting lens without mounting slot

3 mm thickness, Ø 80 mm, pack of 2 pieces

**932715** Washer 0,5 mm thickness

Pack of 6 pieces

**932725** Washer 1,0 mm thickness

Pack of 6 pieces

**932735** Washer 2,0 mm thickness

Pack of 6 pieces

**932745** Set of washers

6 pieces each of 0,5 mm, 1,0 mm and 2,0 mm thickness

**932755** Adapter for back correction lens (Ø 22 mm)

Pack of 6 pieces

**932785** Spare lock ring made from aluminium

Pack of 2 pieces

**936305** Centring test lamp



# Monoculars



Hand-held Kepler telescope.

- Multi-coated achromatic precision optics
- Light metal housing, matt finish
- Eversible eye cup to correct the back vertex distance BVD for spectacle wearers
- Ideal for the maintenance of individual mobility (seeing bus numbers, street signs; reading time tables, price tags; etc.)
- Small and handy
- Focusable between infinity and about 250 mm
- Soft case and neck cord included
- Use as a hand microscope with the acrylic stand as shown on page 38

## Please note:

Monoculars are primarily designed for distance orientation. They are an accepted product solution for the maintenance of mobility.



**931965 Monocular 4x12**

Magnification 4x,  
field of view 12,5°, objective Ø 12 mm



**931975 Monocular 6x16**

Magnification 6x, with acrylic stand 20x,  
field of view 10,0°, objective Ø 16 mm



**931985 Monocular 8x20**

Magnification 8x, with acrylic stand 25x,  
field of view 7,0°, objective Ø 20 mm



**931995 Monocular 8x30**

Magnification 8x, with acrylic stand 25x,  
field of view 8,5°, objective Ø 30 mm



**933025 Monocular 10x20**

Magnification 10x, with acrylic stand 30x,  
field of view 6,0°, objective Ø 20 mm

# Accessories for monoculars



## Transparent acrylic stand

**933205** Suitable for 6x16, 8x20, 10x20

**933285** Suitable for 8x30

## ■ Transparent acrylic stand

Can be used separately as a 3x stand magnifier or can be screwed on the monocular. In combination with the monocular 6x16, 8x20, 8x30 und 10x20 it acts as a hand microscope with a magnification of 20x, 25x or 30x.



## Finger ring

**933775** Suitable for 4x12, small

**933215** Suitable for 6x16, 8x20, large with short eye cup

## ■ Finger ring

Makes it easier to handle the monocular for outdoor orientation.



**943225** Extender

## ■ Extender

A multifunctional aid for mobile use. Can be used as a basic hand-held telescope (such as a 2x fixed focus telescope with excellent depth of sharpness). Used inverse it serves as a field enlarger with the factor 2, this means that a field of view of 20° is turned into 40° – ideal for visually impaired people with RP. Combined with the monoculars 6x16 or 8x20 the extender doubles the magnification.

## ■ Buser-Bauernfeind prism

An additional aid for monoculars used at school as well as in case motor dysfunctions or physical impairments prevent the efficient use of monoculars. A small prism is plugged onto the monocular. The resulting 45° deflection for example enables the user to read from a distant blackboard and to write without changing the posture. An ideal use is only possible with a small table tripod.



**933405 45° deflecting prism**

Suitable for 4x12, 6x16, 8x20, 10x20



**933425 Clamp**

Suitable for 4x12, 6x16, 8x20, 10x20



**933415 Table tripod**

Adjustable height, ball end for ideal adjustment



Product solutions for improved vision also include aids which are instrumental or essential for the use of other devices. Amongst them are various special spectacle frames such as telescope frames.

In addition there are available daily living aids. For example reading stands make the use of stand magnifiers more convenient or TV-screens improve the quality of life of visually impaired people further.

# Aids



## Contents

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# Telescope frames

## ■ Titanium telescope frames with variable nose bridge system

Only special telescope frames designed for a perfect anatomic fit ensure the ideal function and efficient use of telescopic spectacles.

■ Material: 100% titanium, welded, hypoallergenic, solder-free, screws and nose bridge insert made from stainless steel

■ Weight: 16 g

■ Temple: Golf temple 145 mm, easy to shorten, silicone-coated plastic temple ends, common sport temple ends mountable

■ Adjustable saddle bridge, optional flat saddle bridge for reduced back vertex distance BVD

■ Meets the technical and medical requirements for listed aids of the compulsory health insurance in Germany

■ Unisex: Style and colouring equally suit ladies, gentlemen and adolescents



**935736** Ice blue colour, matt  
Size 47-18-145

**935716** Ice blue colour, matt  
Size 50-18-145

**935726** Ice blue colour, matt  
Size 53-18-145



**935766** Gold colour, matt  
Size 47-18-145

**935746** Gold colour, matt  
Size 50-18-145

**935756** Gold colour, matt  
Size 53-18-145



**935796** Bordeaux red colour, matt  
Size 47-18-145

**935776** Bordeaux red colour, matt  
Size 50-18-145

**935786** Bordeaux red colour, matt  
Size 53-18-145



**935826** Titanium grey colour, matt  
Size 47-18-145

**935806** Titanium grey colour, matt  
Size 50-18-145

**935816** Titanium grey colour, matt  
Size 53-18-145

### Please note:

In most cases a large back vertex distance BVD is necessary for telescopic spectacles. The SCHWEIZER telescope frames are designed accordingly. However, if needed the back vertex distance BVD of the titanium telescope frames can be reduced by 3 mm. For this purpose an optional **flat saddle bridge** can be mounted. This is a fast and easy way to react to different optical and anatomic conditions.

## ■ Standard telescope frames

The lens shape makes this telescope frame also suitable for most telescopes from third parties which for instance require a very large mounting diameter.

- Material: Skin friendly special alloy, screws and nose bridge insert made from stainless steel
- Curl temple 155 mm or 165 mm with silicone sleeve, optional Golf temple 155 mm or 165 mm
- Adjustable saddle bridge 17 mm, optional 19 mm

### Please note:

Requirements for listed telescopic frames of the compulsory health insurance in Germany:

- Frame made from metal with strong rigid bridge, stable and torsion-free
- Comply with Medical Device Directive 93/42/EEC
- Adjustable temple ends
- Silicone contact surface of the saddle bridge and the temple ends



**936076** Trial box telescope frames

Content: 3 x titanium telescope frame; 3 x standard telescope frame



**937246** Silver colour, matt  
Size 48-18-155

**937316** Silver colour, matt  
Size 51-18-155

**937326** Silver colour, matt  
Size 54-18-165



**937256** Gold colour, matt  
Size 48-18-155

**937416** Gold colour, matt  
Size 51-18-155

**937426** Gold colour, matt  
Size 54-18-165



**937266** Bronze colour, matt  
Size 48-18-155

**937616** Bronze colour, matt  
Size 51-18-155

**937626** Bronze colour, matt  
Size 54-18-165



**937106** Case for telescopic spectacles

# Magnetic clip frames



The ideal solution for individual customer requests or for special vision tasks such as glare protection, high additions or additions for overhead work.

- One clip with polarized lenses included
- Additional clips for individual needs available as an option
- Automatic centring of the clip through strong magnetic adhesion
- Clip can easily be flipped up in 2 different positions



**950706** Champagne colour, matt  
Size 52-18



**950756** Anthracite colour  
Size 52-18



**950806** Champagne colour, matt  
Size 53-19

■ All frames on this double-page spread contain the following items:



Magnetic clip frame



Clip with polarized lenses (brown or grey)



Spare clip for individual needs



Hard case

**950106** Gold colour, glossy  
Size 52-19



**950156** Anthracite colour, glossy  
Size 52-19



**950206** Gold colour, glossy  
Size 54-19



**950256** Anthracite colour, glossy  
Size 54-19



**950306** Gold colour, glossy  
Size 52-19



**950356** Anthracite colour, glossy  
Size 52-19



**950406** Gold colour, glossy  
Size 50-19



**950456** Anthracite colour, glossy  
Size 50-19



# Magnetic clip frames



**951106** Gold-brown colour, glossy  
Size 50-19



**951206** Bronze-brown colour, glossy  
Size 52-19



**951256** Anthracite colour, glossy  
Size 52-19



**951306** Bronze-brown colour, glossy  
Size 52-19



**951356** Anthracite colour, glossy  
Size 52-19

**951406** Bronze-brown colour, glossy  
Size 52-19

**951456** Anthracite colour, glossy  
Size 52-19

■ All frames on this double-page spread contain the following items:



Magnetic clip frame



Clip with polarized lenses  
(brown or grey)



Hard case

**951656** Brown colour, matt  
Size 53-18



**951606** Anthracite colour, matt  
Size 53-18



**951556** Brown colour, matt  
Size 54-17



**951506** Anthracite colour, matt  
Size 54-17



## ■ Accessories

**950976** Universal magnetic clip frame  
Size 52-20, can also be used without  
lenses as a clip carrier



**950956** Universal magnetic bridge  
64 mm, for common frames



**950996** Universal Nylon clip  
Size 52-19



# Protective frames



Ideal for photo-allergies and for sufferers of high pollen levels as well as for safety at work for multiple applications.

- Individual prescription lenses can be mounted
- Strong frame made from solid acetate
- The anatomically designed protection avoids glare from the bottom, from the sides and especially from the top
- Perfect UV protection of the whole eye area
- In addition a matt surface reduces light reflexions on the frame edges



937126 Case for protective frames



937716 Brown colour  
Size 48-17



937726 Black colour  
Size 48-17



937556 Brown colour  
Size 50-17



937566 Black colour  
Size 50-17



937576 Brown colour  
Size 52-17



937596 Black colour  
Size 52-17



937586 Brown colour  
Size 54-17



937606 Black colour  
Size 54-17

# Eyewear display

## ■ Flexible Topseller display

Showcase selected eyewear separately, highlight certain visual aids effectively, draw attention to special offers during a consultation:

With the SCHWEIZER Topseller display you have available at the same time a multifunctional as well as a striking sales tool. This means better sales and more turnover!



### 504508 Topseller display box with topper

W/D/H: 37,5/18,5/73,0 cm;  
topper for 6 frames,  
1 drawer for 8 frames,  
2 drawers for 6 frames

### 504518 Topseller display box

W/D/H: 37,5/18,5/24,0 cm, stackable;  
1 drawer for 8 frames,  
2 drawers for 6 frames



### Hotline:

Phone

+49-9191-72 10 56

Fax

+49-9191-72 10 73

Email

info@improvision-lvs.com



#### TV-Screen

	For screen diagonals up to	Magnified image diagonal/square
<b>937816</b>	45 cm	About 66 cm / 52 x 42 cm
<b>937826</b>	56 cm	About 78 cm / 62 x 48 cm
<b>937836</b>	72 cm	About 93 cm / 75 x 55 cm
<b>937846</b>	82 cm	About 106 cm / 86 x 63 cm, roll stand
<b>937966</b>	70 cm, 16:9	About 86 cm / 75 x 42 cm
<b>937976</b>	82 cm, 16:9	About 96 cm / 84 x 47 cm



**937206** Standard reading stand



**937216** Reading stand with lamp

**937226** Spare tube

15 W, 4000 K



**937236** Economic reading stand

# Daily living aids

## ■ TV-Screens



Large image magnifier according to the principle of a Fresnel lens. The TV-Screen is just positioned in front of the TV set or computer monitor and the picture is magnified. An appreciated aid especially in recreation rooms of nursing homes.

Specification: Includes stand; installation in front of the TV set; adjustable height.

## ■ Standard reading stand

- Comfortable reading position for reading materials placed on the surface
- Large surface with a size of 40 x 50 cm
- Robust quality
- Easy operation
- No slipping on the table
- Inclination adjustable in multiple steps
- Natural wood

## ■ Reading stand with lamp

- Same specification as the standard reading stand, in addition:
- Fixed lamp
- Special fluorescent tube, 15 W (length 438 mm), 4000 K
- Special reflector for homogenous illumination
- Power supply only 230 V / 50 Hz with Euro-plug
- Fixed cord with plug 250 cm

## ■ Economic reading stand

- Basic plastic reading stand
- Surface with a size of 32 x 28 cm and a fixed inclination of 23°
- Pack of 2 pieces

## ■ RIDO-Clip

The binocular clip-on magnifier RIDO-Clip is a basic optical aid.

- 2 joined lenses with convergence supporting prisms
- Clipped on the spectacles of the user
- 3 different magnification powers
- Hard coating
- Solid case included

In comparison with standard magnifiers this clip-on magnifier has some advantages:

- Lightweight
- Wide field of view
- Convergence supporting prisms
- Easy handling, simply clipped on the spectacles
- Both hands remain free for working



### 934001 RIDO-Clip set with all lens parts

Content: Clip and one lens part each 4 D, 6 D, 8 D



### RIDO-Clip inclusive lens part

934021 4 D for working distance 250 mm

934011 6 D for working distance 180 mm

934031 8 D for working distance 125 mm



# Do you have questions ...

... about our products or do you need further information?

Please give us a call, we have the right specialists for you!

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