

Valid as per May 2011

SCHWEIZER Products for Improved Vision





The SCHWEIZER home in Forchheim/Germany with a production area of 5500 m²

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.

Contents

Information

about our latest product news and innovations can be found at www.improvision-lvs.com

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

4

Video magnifiers

24

Lamps

28

Telescopes

32

Aids

40



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



Contents

<u>LED illuminated hand magnifiers</u>	p. 6
<u>LED illuminated stand magnifiers</u>	p. 8
<u>Illuminated stand magnifiers</u>	p. 12
<u>Aspheric reading magnifiers</u>	p. 14
<u>Biconvex reading magnifiers</u>	p. 17
<u>Stand and needlework magnifiers</u>	p. 18
<u>Pocket magnifiers</u>	p. 20
<u>Special magnifiers</u>	p. 22



174012 Arcadian blue

174022 Caribbean blue

174032 Bordeaux red

174042 Kerry green

24 D / Ø 55 mm (opt. Ø 52,5 mm)



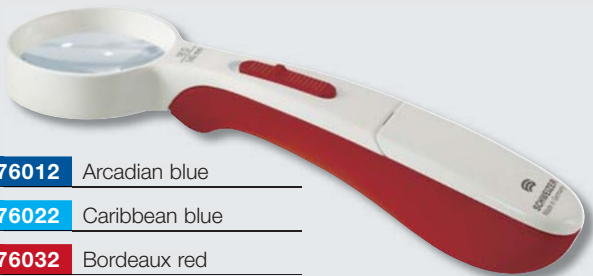
175012 Arcadian blue

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

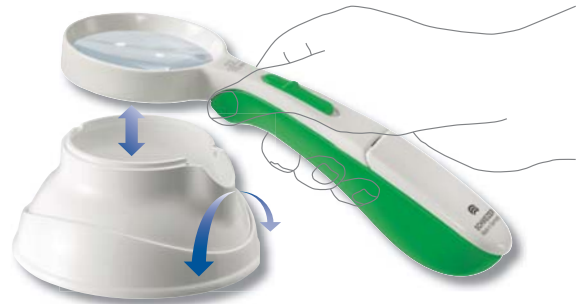
8 D / 100x75 mm

LED illuminated hand magnifiers

■ ERGO-Lux

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

- The ergonomic design supports the hand and the arm to ensure a natural and stress free position
- The correct distance between the object and the lens is found automatically when the handle end sits on the object
- 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
- Aspheric lightweight lens
- 3 AAA alkaline batteries required (not included)



For conversion into a stand magnifier please refer to page 8.

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

■ ÖKOLUX plus mobil



Battery operated illuminated hand magnifier with a 4 chip SMD LED available in 3 light temperatures.

- The choice of an individual preferred light temperature can reduce the magnification need
- 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
- Convenient integrated lanyard holder
- Microfiber pouch for protection and lens cleaning included
- Aspheric lightweight lens
- 3 AAA alkaline batteries required (not included)



134092 Box ÖKOLUX plus mobil 4500 K

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



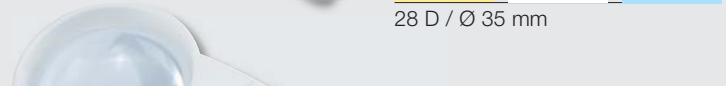
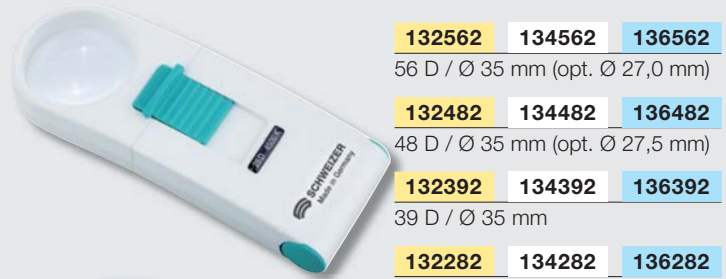
130092 Base for ÖKOLUX plus mobil

Suitable for all ÖKOLUX plus mobil magnifiers

180902 Pack of 5 lanyards

156002 Pack of 3 AAA alkaline batteries

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





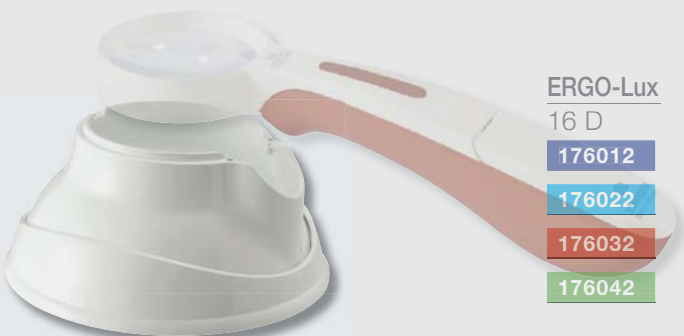
ERGO-Lux
24 D
174012
174022
174032
174042

174102 ERGO-Base for ERGO-Lux 24 D



ERGO-Lux
20 D
175012
175022
175032
175042

175102 ERGO-Base for ERGO-Lux 20 D



ERGO-Lux
16 D
176012
176022
176032
176042

176102 ERGO-Base for ERGO-Lux 16 D



ERGO-Lux
12 D
177012
177022
177032
177042

177102 ERGO-Base for ERGO-Lux 12 D



ERGO-Lux
8 D
178012
178022
178032
178042

178102 ERGO-Base for ERGO-Lux 8 D

LED illuminated stand magnifiers

■ ERGO-Base & ERGO-Lux

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
- The light coloured material enhances the illumination of the ERGO-Lux
- For mobile use the magnifier is easily disconnected and separated



For details about ERGO-Lux hand magnifiers please refer to page 6.



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

■ ÖKOLUX plus



Battery operated illuminated stand magnifier with a 4 chip SMD LED available in 3 light temperatures.

- The choice of an individual preferred light temperature can reduce the magnification need
- Adjustable reading inclination of 8 D magnification head for right-hand or left-hand use
- 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
- 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
- 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

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)



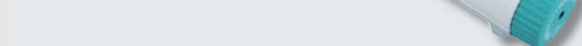
142202 **144202** **146202**
20 D / Ø 55 mm



142162 **144162** **146162**
16 D / Ø 60 mm



142122 **144122** **146122**
12 D / Ø 70 mm



142082 **144082** **146082**
8 D / 100x75 mm



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

■ ÖKOLUX plus magnification heads

Easily interchangeable closed magnification head for different magnification powers.

■ ÖKOLUX plus magnifier handles

Easily interchangeable magnifier handle for 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

■ TWIN LUX LED



Illuminated stand magnifier with three 4 chip SMD LEDs available in 3 light temperatures with battery operation or mains operation (only 230 V / 50 Hz with Euro-plug).

- The world's largest field of view at a magnification power of 4,4x
- The choice of an individual preferred light temperature can reduce the magnification need
- Comfortable reading posture through ergonomically tilted style
- Very bright, consistent and high contrast light by the 3 precisely aligned special light emitting diodes
- Low energy consumption and long battery lifetime
- 2 aspheric lightweight lenses at an accurately computed distance
- 3 AA alkaline batteries required for battery operated version only (not included)



Light temperatures:

2700 K 4500 K 6000 K

TWIN LUX LED

8 D / 100x75 mm + 6 D / 100x50 mm

916222 916242 916262

Battery operation

916022 916042 916062

Mains operation



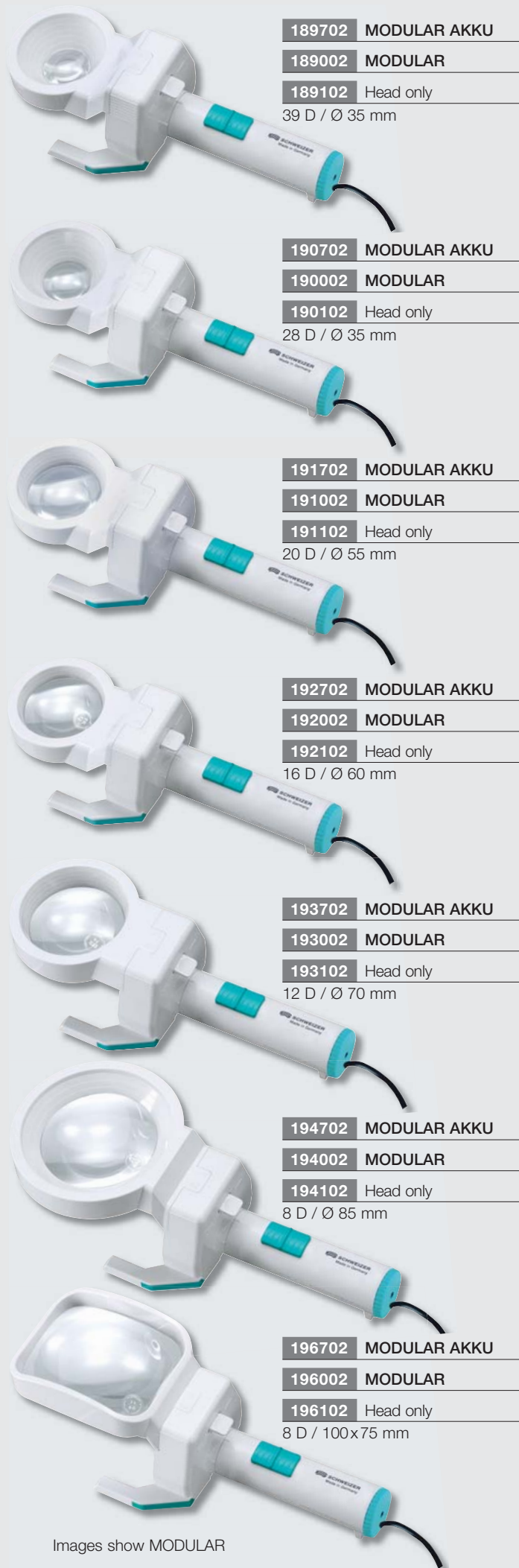
4,4x

155002 Pack of 3 AA alkaline batteries

504052 Lens cleaning set

Special cleaning liquid and microfiber cloth in a box





189702 MODULAR AKKU

189002 MODULAR

189102 Head only
39 D / Ø 35 mm

190702 MODULAR AKKU

190002 MODULAR

190102 Head only
28 D / Ø 35 mm

191702 MODULAR AKKU

191002 MODULAR

191102 Head only
20 D / Ø 55 mm

192702 MODULAR AKKU

192002 MODULAR

192102 Head only
16 D / Ø 60 mm

193702 MODULAR AKKU

193002 MODULAR

193102 Head only
12 D / Ø 70 mm

194702 MODULAR AKKU

194002 MODULAR

194102 Head only
8 D / Ø 85 mm

196702 MODULAR AKKU

196002 MODULAR

196102 Head only
8 D / 100x75 mm

Images show MODULAR

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).

- Easily interchangeable open magnification heads available in different magnification powers
- Reading inclination for right-hand or left-hand use
- Possibility to write under the low power lenses
- Set of filters included
- 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

■ Basic unit

■ Basic unit for MODULAR AKKU

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.

■ Basic unit for MODULAR

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.

■ Handle

■ Handle for MODULAR AKKU

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

■ Handle for MODULAR

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

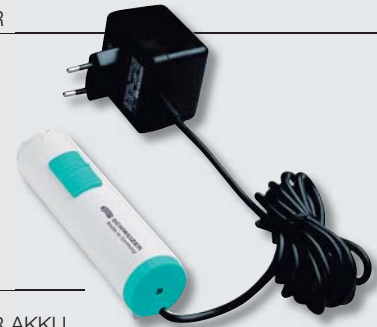
Spare part inclinable in both directions, for right-hand or left-hand use.



Basic unit (without head)

182702 MODULAR AKKU

182002 MODULAR



Handle spare part

186602 MODULAR AKKU

186002 MODULAR



184002 Additional lens 6 D



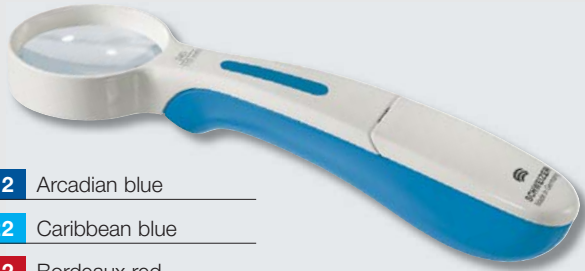
185002 Set of 2 bottom plates



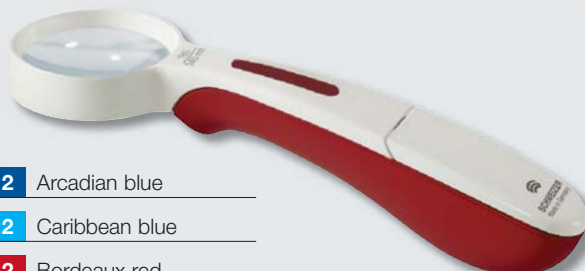
183002 Tilting part



- 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 / 100x75 mm

Aspheric reading magnifiers

■ ERGO-Style

The reading magnifier in a revolutionary style.

- The ergonomic design supports the hand and the arm to ensure a natural and stress free position
- The correct distance between the object and the lens is found automatically when the handle end sits on the object
- Aspheric lightweight lens



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

179502 ERGO-Box display and storage (without content)



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

■ SEMPRAL



The classic reading magnifier in an elegant design.

- Convenient integrated lanyard holder
- Aspheric lightweight lens



214002 Box SEMPRAL

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

180902 Pack of 5 lanyards



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

The economic reading magnifier with mount and handle made in one piece.

- Loop in the handle for a lanyard or a cord
- Aspheric lightweight lens



210502 Box FUNCTIONAL

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

180902 Pack of 5 lanyards



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 matt black round plastic handle and premium chrome-plated brass mount.

- Biconvex glass lens

■ BIFOCUS

Reading magnifier with matt black round plastic handle and premium chrome-plated brass mount.

- Biconvex glass lens and additional lens (Bifo)



210202 Box CLASSIC, BIFOCUS

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

■ ELEGANT

Reading magnifier with handle made from noble wood and premium chrome-plated brass mount.

- Biconvex glass lens



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

Stand and needlework magnifiers

■ BOY, SIR, BOSS

Stand magnifier with folding stand and folding handle.

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



901002 BOY

10 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

■ MODULAR TS



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

- Reading inclination for right-hand or left-hand use
- Possibility to write under the low power lenses
- Aspheric lightweight lens



183102 MODULAR TS basic unit

Tilt stand without magnification head

■ Needlework magnifier

The ideal magnifier for needlework made from transparent acryl.

- Adjustable neck cord
- Biconvex lightweight lens with higher power insert to see details more clearly



794002 Needlework magnifier

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



183202 MODULAR TS

189102 Head only

39 D / Ø 35 mm



183302 MODULAR TS

190102 Head only

28 D / Ø 35 mm



183402 MODULAR TS

191102 Head only

20 D / Ø 55 mm



183502 MODULAR TS

192102 Head only

16 D / Ø 60 mm



183602 MODULAR TS

193102 Head only

12 D / Ø 70 mm



183702 MODULAR TS

194102 Head only

8 D / Ø 85 mm



183802 MODULAR TS

196102 Head only

8 D / Ø 100x75 mm

Pocket magnifiers

ERGO-Pocket

The pocket magnifier in a revolutionary style.

- An intelligent folding mechanism enables a speedy opening of the magnifier with one movement of the hand
- Convenient integrated lanyard holder
- Aspheric lightweight lens

180512 Arcadian blue

180522 Caribbean blue

180532 Bordeaux red

180542 Kerry green

56 D / Ø 35 mm



180412 Arcadian blue

180422 Caribbean blue

180432 Bordeaux red

180442 Kerry green

48 D / Ø 35 mm



180312 Arcadian blue

180322 Caribbean blue

180332 Bordeaux red

180342 Kerry green

39 D / Ø 35 mm



180212 Arcadian blue

180222 Caribbean blue

180232 Bordeaux red

180242 Kerry green

28 D / Ø 35 mm



180112 Arcadian blue

180122 Caribbean blue

180132 Bordeaux red

180142 Kerry green

16 D / Ø 35 mm



180612 Arcadian blue

180622 Caribbean blue

180632 Bordeaux red

180642 Kerry green

12 D / Ø 35 mm



180562 One each colour of 56 D / Ø 35 mm

4 pieces

180482 One each colour of 48 D / Ø 35 mm

4 pieces

180392 One each colour of 39 D / Ø 35 mm

4 pieces

180282 One each colour of 28 D / Ø 35 mm

4 pieces

180162 One each colour of 16 D / Ø 35 mm

4 pieces

180662 One each colour of 12 D / Ø 35 mm

4 pieces



180022 Box ERGO-Pocket all powers

Content: 56 D Bordeaux red, 48 D Arcadian blue, 39 D Arcadian blue and Kerry green, 28 D Caribbean blue and Bordeaux red, 16 D Caribbean blue and Bordeaux red, 12 D Arcadian blue and Kerry green, lanyard

180012 Box ERGO-Pocket low powers

Content: 28 D Arcadian blue and Bordeaux red, 16 D in all 4 colours, 12 D in all 4 colours, lanyard

180902 Pack of 5 lanyards



■ Folding magnifier

The classic pocket magnifier in an elegant design.

- Mount made from transparent plastic
- Housing made from strong grain leather
- Biconvex glass lens



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



Visolett®

930642 1:1,8 / Ø 40 mm

930662 1:1,8 / Ø 65 mm

Circular magnifier with plastic rim

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

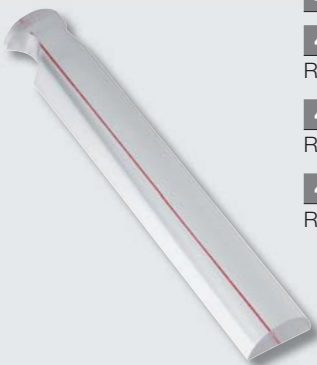
Reading bar

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



■ Working stand magnifier with glass lens

- Cast base coated with black plastic Ø 130 mm
- Flexible metal goose neck with 300 mm length
- Aplanatic optical system in chrome-plated metal mount

■ Working stand magnifier with lightweight lens

- Cast base coated with black plastic Ø 130 mm
- Flexible metal goose neck with 300 mm length
- Aspheric lightweight lens in black plastic mount

■ Illuminated working stand magnifier with table clamp

- Ideal illumination in the light temperature 4000 K (only 230 V / 50 Hz with Euro-plug)
- Table clamp and adjustable arm
- Biconvex glass lens

■ Illuminated working stand magnifier with table base

- Ideal illumination in the light temperature 4000 K (only 230 V / 50 Hz with Euro-plug)
- Table base and flexible metal goose neck
- Biconvex glass lens



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



20 7

MONTAG 22. FEBRUAR 2018

Spendenzeitung

Die Spendenzeitung ist eine Initiative von...



Magie und Macht des Waldes

TOPF Doreen Nier sammelt die Geschichten der TV-Garde...



Doreen Nier sammelt die Geschichten der TV-Garde...

ARD	ZDF	RTL	SAT.1	PRO 7
8.00 Spiegel 8.15 Spiegel 8.30 Spiegel	8.00 Spiegel 8.15 Spiegel 8.30 Spiegel	8.00 Spiegel 8.15 Spiegel 8.30 Spiegel	8.00 Spiegel 8.15 Spiegel 8.30 Spiegel	8.00 Spiegel 8.15 Spiegel 8.30 Spiegel
9.00 Spiegel 9.15 Spiegel 9.30 Spiegel	9.00 Spiegel 9.15 Spiegel 9.30 Spiegel	9.00 Spiegel 9.15 Spiegel 9.30 Spiegel	9.00 Spiegel 9.15 Spiegel 9.30 Spiegel	9.00 Spiegel 9.15 Spiegel 9.30 Spiegel
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SCHWEIZER
Technische Menschen, die dem Geschichtsbuch stehen auf dem Kopf
Die Farm (2/10)
Familien im Brennpunkt
Das Strafgericht

Although visually impaired people can improve their vision with traditional optical aids, there are situations which require further solutions. The video reading magnifiers featured in the SCHWEIZER eMag series provide additional options of vision improvement for home and on the go.

Video magnifiers



Contents

eMag 35, eMag 43 p. 26

eMag 70 p. 27

Video magnifiers



535002 eMag 35

Magnification: 2 to 11x in 3 steps
Weight: 134 grams
Screen size: 3,5 inch
Rechargeable Li-ion battery
Up to 3,5 hours operating time



543002 eMag 43

Magnification: 2 to 14x in 3 steps
Weight: 218 grams
Screen size: 4,3 inch
4 rechargeable NiMH batteries
Up to 2,0 hours operating time



535042 eMag Base

Writing and reading stand suitable for eMag 35 and eMag 43

Portable and powerful video reading magnifiers for home and on the go with useful and easy to operate technical features.

- A snapshot feature can capture images temporarily for comfortable reading
- The centrally located camera makes text orientation easy
- High contrast image by brilliant LED illumination of the object
- Automatic turn-off function is conserving the batteries and extending the operating time
- Operation whilst charging is possible
- Power adapter with cord included

■ eMag 35

- Can be held in the hand or positioned directly on the reading material
- Adjustment of magnification and contrast with multi-function wheel
- The viewing options are full colour, black on white, white on black, yellow on blue, yellow on black
- Wrist strap and protection pouch included

■ eMag 43

- The folding handle creates the impression of a traditional magnifying glass. Can also be positioned directly on the reading material
- Easily accessible coloured function buttons ensure an intuitive operation
- The viewing options are full colour, black on white, white on black, yellow on blue, yellow on black
- Wrist strap and carrying case with belt loop and with carrying strap included

■ eMag 70

- Lies flat on the reading material or the object is held above the camera
- Ideal for three-dimensional objects
- Integrated writing stand gives space to work under the camera
- Easily accessible coloured function buttons and slide control for magnification
- The viewing options are full colour, black on white, white on black as well as 20 additional contrast modes
- Carrying case with carrying strap included. Furthermore a RCA video cable for connection to a TV is included



570002 eMag 70

Magnification: 3,4 to 16x

Size: 203 x 137 x 46 mm (closed)

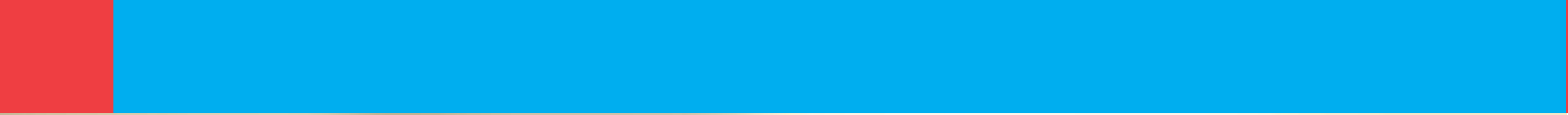
Weight: 880 grams

Screen size 7,0 inch

Rechargeable Li-ion battery

Up to 4,0 hours operating time





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

3

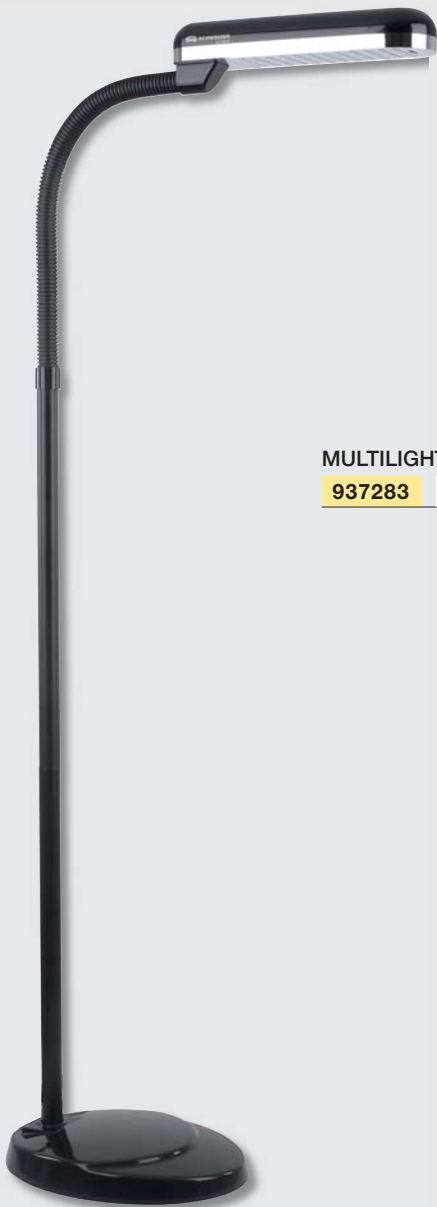
Contents

LowVision lamps

p. 30

Light temperatures: 2700 K 4500 K 6500 K

LowVision lamps



MULTILIGHT LED Stand

937283 937483 937683

■ MULTILIGHT LED Floor Stand

Floor base lamp with 72 durable and energy efficient SMD-LEDs.

- Switch integrated in the lamp head
- Lamp head can be positioned three-dimensional through gooseneck
- Dimensions:
Base to gooseneck: 86 cm
Goose neck: 43 cm
Lamp head: 29 cm
- Fixed cord 170 cm with Euro-plug for power supply 100 – 240 V / 50 – 60 Hz

Light temperatures: 2700 K 4000 K 6500 K



LowVision grid lamp electronic 11W

936573 936583 936593

Spare tube 11W

936603 936613 936623

■ LowVision grid lamp electronic

Table lamp with 11W fluorescent tube and electronic ballast for flicker-free illumination and impressive light efficiency.

- The grid in front of the tube is reducing direct glare
- Lamp head can be positioned three-dimensional through adjustable arm
- Dimensions:
Footprint: 15 x 20 cm
Height (maximum): 75 cm
Horizontal deflection (maximum): 75 cm
- Fixed cord 180 cm with Euro-plug only for power supply 230 V / 50 Hz

■ MULTILIGHT LED Akku

Folding task lamp with 48 durable and energy efficient SMD-LEDs.

- Adjustable height due to extendable head
- The possible ideal positioning avoids glare and thus details can be seen more clearly
- Dimensions & Weight:
Footprint: 9 x 13,5 cm
Height (maximum): 35 cm
Weight: 1600 g
- Rechargeable battery or mains operation, the rechargeable battery operation gives outstanding flexibility
- Inclusive transformer cable 190 cm with Euro-plug for power supply 100 – 240 V / 50 – 60 Hz



MULTILIGHT LED Akku
937223 **937423** **937623**

■ MULTILIGHT LED Mobil

Compact folding task lamp with 30 durable and energy efficient SMD-LEDs.

- Switches on and off automatically as the head is opened and closed
- Lightweight and requires only little space
- Dimensions & Weight:
Footprint: Ø 8,2 cm
Height: 26 cm
Weight: 250 g
- Battery or mains operation, for battery operation 3 AAA alkaline batteries are required
- Inclusive carrying case and transformer cable 150 cm with Euro-plug for power supply 100 - 240 V / 50 - 60 Hz



MULTILIGHT LED Mobil
937243 **937443** **937643**

■ MULTILIGHT LED Pocket

Handy folding task lamp with 12 durable and energy efficient SMD-LEDs.

- Switches on and off automatically as the head is opened and closed
- Fits in every pocket, convenient built-in clip and integrated lanyard holder
- Dimensions & Weight:
Size: 5,9 x 8,4 cm
Weight: 70 g
- Battery operation (3 AAA alkaline batteries are required)



MULTILIGHT LED Pocket
937263 **937463** **937663**

180902 Pack of 5 lanyards

156002 Pack of 3 AAA alkaline batteries



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

<u>Galilei telescopes</u>	p. 34
<u>Kepler telescopes</u>	p. 36
<u>Frame mounting of telescopes</u>	p. 38
<u>Monoculars</u>	p. 39

Galilei telescopes



937215 2,1x
Field of view 20,0°; 18 g



937255 2,5x
Field of view 18,0°; 18 g



937275 2,7x
Field of view 13,2°; 30,5 g



Front caps

Basic	Add-on	
938015	939015	Empty housing (2 pieces)
938005	939005	matt
938055	939055	+0,50
938065	939065	+0,66
938105	939105	+1,00
938155	939155	+1,50
938205	939205	+2,00
938305	939305	+3,00
938405	939405	+4,00
938505	939505	+5,00
938605	939605	+6,00
938805	939805	+8,00

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 pages 42 – 44
- Set infinite focal distance; front caps for intermediate distances (e. g. TV) and for close distances (e. g. reading)
- Correction of refractive errors through a back correction lens with Ø 22 mm, adjustment of the focal distance through inclusion in back correction lens or through Basic front cap.
- The adjustment of the focal distance through back correction can be calculated by multiplying the system magnification by itself and dividing the result by the needed focal distance in meters. This gives the D power to be included in the back correction of refractive errors.
- Binocular use for close working distances is possible with special mounting lenses

■ Front caps

Front caps for intermediate distances (e. g. TV) and for close distances (e. g. reading).

- Firm hold of the Basic front cap which snaps in the system audibly
- Additional availability of Add-on front caps which can be connected with Basic front caps for higher magnifications respectively additional working distances. The Add-on front caps fold up and down easily
- Numerous focal distances from 200 cm to 6,25 cm can be created
- The combination of a Basic front cap with an Add-on front cap create an aplanatic front cap up to + 16,00 D without spherical aberrations
- At set infinite focal distance of the system the working distance is calculated by dividing 1 by the total D power of the Basic + Add-on front cap. The resulting close distance magnification is the system magnification multiplied with one quarter of the total D power of the Basic + Add-on front cap

■ 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®)



937116 Case for telescopic spectacles



931067 Trial box Galilei

Content: 2 pieces each 2,1 x and 2,5 x in adapter for trial frame; Basic front caps 2 pieces each +0,50 D, +0,66 D, +1,00 D and 1 piece each +1,50 D, +2,00 D, +3,00 D, +4,00 D, +5,00 D, +6,00 D, +8,00 D; Add-on front caps 1 piece each +4,00 D, +8,00 D



Mounting lens
inclusive adapter for back correction lens 15 mm

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, silver black metal housing



931945 Kepler 4x10

Magnification 4x, field of view 10,0°, objective Ø 10 mm, silver black metal housing



931955 Kepler 4x12

Magnification 4x, field of view 12,5°, objective Ø 12 mm, silver black metal housing

932165 Kepler 6x16

Magnification 6x, field of view 10,0°, objective Ø 16 mm, black metal housing

Small and lightweight focusable Kepler telescope.

- Multi-coated achromatic precision optics
- 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 pages 42 – 44



931077 Trial box Kepler

Content: 1 piece each 3 x 9, 4 x 10 and 4 x 12 in adapter for trial frame; 1 piece each focus stop ring suitable for 3 x 9/4 x 10 and for 4 x 12; 1 adapter for Basic front caps; 1 empty space for monocular 6 x 16 inclusive finger ring (not included)

■ 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



938025 Adapter for Basic front caps

Suitable for 3x9, 4x10

937116 Case for telescopic spectacles





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



936087 Lock ring mounting tool

Frame mounting of telescopes

■ Box of mounting parts

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

■ Individual mounting parts

932765 Mounting lens with mounting slot

3 mm thickness, CR39, Ø 80 mm, pack of 2 pieces

932865 Mounting lens without mounting slot

3 mm thickness, CR39, 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
- 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, which can also be used separately as a 3x stand magnifier



Transparent acrylic stand

933205 Suitable for 6x16, 8x20, 10x20

933285 Suitable for 8x30, 10x30



Finger ring

933775 Suitable for 4x12, small

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



931965 Monocular 4x12

Magnification 4x, field of view 12,5°, objective Ø 12 mm, silver black metal housing



931975 Monocular 6x16

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



931985 Monocular 8x20

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

931995 Monocular 8x30

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

933025 Monocular 10x20

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

933035 Monocular 10x30

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



5

Aids

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 protective frames and daily living aids to improve the quality of life of visually impaired people further.

Contents

<u>Telescope frames</u>	<u>p. 42</u>
<u>Protective frames</u>	<u>p. 45</u>
<u>Reading stands</u>	<u>p. 46</u>
<u>Binocular clip-on magnifier</u>	<u>p. 47</u>

Telescope frames

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



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

■ Titanium telescope frames with variable saddle bridge system

- Material: 100% titanium, welded, hypoallergenic, solder-free, screws and saddle 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, flat saddle bridge for reduced back vertex distance BVD included
- 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

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 with variable saddle bridge system can be reduced by 3 mm. For this purpose an included **flat saddle bridge** can be mounted. This is a fast and easy way to react to different optical and anatomic conditions.

■ Titanium telescope frames

- Material: 100% titanium, welded, hypoallergenic, solder-free, screws and saddle bridge insert made from stainless steel
- Weight: Female model 16 g and 17 g, male model 17 g and 18 g
- Temple: Golf temple 145 mm, easy to shorten, silicone-coated plastic temple ends, common sport temple ends mountable
- Adjustable saddle bridge
- Ideal for curved mounting lenses
- Meets the technical and medical requirements for listed aids of the compulsory health insurance in Germany
- Stylish female and male model



Female model

935566 Titanium grey colour, matt
Size 48-19-145

935576 Titanium grey colour, matt
Size 51-19-145

935546 Lilac rosy colour, matt
Size 48-19-145

935556 Lilac rosy colour, matt
Size 51-19-145

935526 Copper red colour, matt
Size 48-19-145

935536 Copper red colour, matt
Size 51-19-145



Male model

935626 Titanium grey colour, pearlescent
Size 50-19-145

935636 Titanium grey colour, pearlescent
Size 53-19-145

935646 Night blue colour, matt
Size 50-19-145

935656 Night blue colour, matt
Size 53-19-145

935666 Colonial brown colour, matt
Size 50-19-145

935676 Colonial brown colour, matt
Size 53-19-145





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



937116 Case for telescopic spectacles

■ Standard telescope frames

- Material: Skin friendly special alloy, screws and saddle 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
- The lens shape is suitable for telescopes which require a very large mounting diameter

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: 6 telescope frame of your choice

Protective frames

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

- 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
- Individual prescription lenses can be mounted
- Delivered with mounted UV and sun protection lenses 75%



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

Light temperatures:

2700 K 4500 K 6500 K



MULTILIGHT LED reading stand

937297 937497 937697

156002 Pack of 3 AAA alkaline batteries



937216 Reading stand with lamp

937226 Spare tube 15 W, 4000 K



937206 Standard reading stand



937236 Economic reading stand

Reading stands

■ MULTILIGHT LED reading stand

- Small footprint but large surface of 28 x 21 cm extendable up to 38 x 33 cm
- No slipping on the table
- Inclination adjustable in multiple steps
- Black plastic
- Illumination by 20 durable and energy efficient SMD LEDs
- Battery or mains operation, for battery operation 3 AAA alkaline batteries are required
- Inclusive transformer cable 150 cm with Euro-plug for power supply 100 – 240 V / 50 – 60 Hz

■ Reading stand with lamp

- Large surface with a size of 40 x 50 cm
- No slipping on the table
- Inclination adjustable in multiple steps
- Natural wood
- Fixed lamp with 15 W fluorescent tube, 4000 K, special reflector for homogenous illumination
- Fixed cord 250 cm with Euro-plug only for power supply 230 V / 50 Hz

■ Standard reading stand

- Large surface with a size of 40 x 50 cm
- No slipping on the table
- Inclination adjustable in multiple steps
- Natural wood

■ Economic reading stand

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

Binocular clip-on magnifier

■ RIDO-Clip

- 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 3,0 D, 5,5 D, 7,0 D



RIDO-Clip inclusive lens part

934021 3,0 D for working distance 250 mm

934011 5,5 D for working distance 180 mm

934031 7,0 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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