SCHWEIZER Products for
Improved Vision
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.
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

Video magnifiers

Lamps

Telescopes

Aids

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

Die digitale Transformation hat auch Auswirkungen auf die Arbeitsorganisation. Manche Unternehmen haben umgeprägte Arbeitsstätten und Arbeitsweisen entwickelt, die die Flexibilität und Effizienz erhöhen. Es ist wichtig, sich mit diesen Veränderungen vertraut zu werden, um die neuen Arbeitsweisen zu meistern und die Leistungsfähigkeit zu erhöhen.

Insgesamt handelt es sich bei der Nutzung von digitalen Tools und Technologien um eine wirtschaftliche Herausforderung, die nur durch Kooperation und Austausch zwischen den Beteiligten zu bewältigen ist. Es ist wichtig, sich mit diesen Veränderungen vertraut zu werden, um die volle Potenziale der digitalen Transformation zu nutzen.
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.
LED illuminated hand magnifiers

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).

Light temperatures 2700 K 4500 K 6500 K

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NEW!
134052 Carton display 5 ÖKOLUX plus mobil 4500 K
Content: 12 D, 10 D, 10 D angled, 8 D, 6 D, ÖKOLUX plus mobil base, 20 consumer flyers

134032 Carton display 3 ÖKOLUX plus mobil 4500 K
Content: 12 D, 8 D, 6 D, ÖKOLUX plus mobil base, 20 consumer flyers

134082 Acrylic display ÖKOLUX plus mobil 4500 K
Content: 24 D, 20 D, 16 D, 2 x 12 D, 10 D, 10 D angled

130082 Acrylic display ÖKOLUX plus mobil 3 light temp.
Content: 20 D in 3 light temp., 16 D in 4500 K, 10 D angled in 3 light temp.

130012 Pack of 10 microfiber pouches

180902 Pack of 5 lanyards

156002 Pack of 3 AAA alkaline batteries

Light temperatures
- 2700 K
- 4500 K
- 6500 K

132112 134112 136112
10 D / 75 x 50 mm

132102 134102 136102
10 D / 75 x 50 mm, angled

132802 134802 136802
8 D / Ø 85 mm

132062 134062 136062
6 D / Ø 100 mm

130092 ÖKOLUX plus mobil base
Writing and reading stand suitable for ÖKOLUX plus mobil
LED illuminated hand magnifiers

- **ERGO-Lux MP**

Battery operated illuminated hand magnifier in a revolutionary style with Multi-Power boost switch operating a 4 chip SMD LED available in 3 light temperatures.

- The multi-Power boost switch gives 2 brightness options for optimized light intensity according to the specific needs.
- The choice of an individual preferred light temperature can reduce the magnification need.
- Bright, consistent and high-contrast light by the special light emitting diode.
- 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.
- 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.
- Timeless colour combination of white and charcoal grey.
- Aspheric lightweight lens.
- 3 AAA alkaline batteries required (not included).

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**NEW!**

**170242 171242 172242**

24 D / Ø 55 mm (opt. Ø 52,5 mm)

**170202 171202 172202**

20 D / Ø 55 mm

**170162 171162 172162**

16 D / Ø 60 mm

**170122 171122 172122**

12 D / Ø 70 mm

**170082 171082 172082**

8 D / 100 x 75 mm

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156002 Pack of 3 AAA alkaline batteries

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Box ERGO-Lux MP

**170062 171062 172062**

Content: 24 D, 20 D, 16 D, 12 D, 8 D
LED illuminated stand magnifiers

**ERGO-Base & ERGO-Lux MP**

The fixed-focus holder ERGO-Base converts the ERGO-Lux MP 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 MP
- For mobile use the magnifier is easily disconnected and separated

For details about ERGO-Lux MP hand magnifiers please refer to the previous page.
LED illuminated stand magnifiers

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)

Pack of 3 AA alkaline batteries

Box ÖKOLUX plus high power lenses 4500 K
Content: 56 D, 48 D, 39 D, 28 D

Box ÖKOLUX plus low power lenses 4500 K
Content: 20 D, 16 D, 12 D, 8 D
■ 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.

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 35 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

140092  Box ÖKOLUX plus low power lenses for testing
Content: Heads 20 D, 16 D, 12 D, 8 D and handles
2700 K, 4500 K, 6500 K

142002  Handle ÖKOLUX plus
2700 K

144002  Handle ÖKOLUX plus
4500 K

146002  Handle ÖKOLUX plus
6500 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, 6500 K

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.
LED illuminated stand magnifiers

- **MODULAR LED**

Battery operated illuminated stand magnifier with three 4 chip SMD LEDs available in 3 light temperatures.
- Easily interchangeable open magnification heads available in different magnification powers
- Possibility to write under the low power lenses
- The choice of an individual preferred light temperature can reduce the magnification need
- Adjustable reading inclination for right-hand or left-hand use
- Very bright, consistent and high contrast light by the 3 precisely aligned special light emitting diodes
- 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 lenses
- 3 AA alkaline batteries required (not included)
198002  Box MODULAR LED for testing
Content: Heads 16 D, 12 D, 8 D
and basic units 2700 K, 4500 K, 6500 K

198042  Box MODULAR LED 4500 K
Content: Heads 28 D, 20 D, 16 D, 12 D, 8 D and basic unit 4500 K

198142  Box MODULAR LED, TWIN LUX LED 4500 K
Content: Heads 16 D, 12 D, 8 D and basic unit 4500 K, battery
operated TWIN LUX LED 4500 K

NEW!

155002  Pack of 3 AA alkaline batteries

MODULAR basic unit
182222  182242  182262
Easily interchangeable battery
operated basic unit (handle incl.
fixed tilting part) in different light
temperatures. Tilting part inclinable
in both directions for right-hand or
left-hand use.

190102  Head MODULAR
28 D / Ø 35 mm

190202  Head MODULAR
16 D / Ø 60 mm

192102  Head MODULAR
8 D / 100x75 mm

191102  Head MODULAR
20 D / Ø 55 mm

193102  Head MODULAR
12 D / Ø 70 mm

196102  Head MODULAR
6 D / Ø 100 mm

Light temperatures
2700 K  4500 K  6500 K

Pack of 3 AA alkaline batteries

198142  Box MODULAR LED, TWIN LUX LED 4500 K
LED illuminated stand magnifiers

- **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 4,4 x
- 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)

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**NEW!**

**155002** Pack of 3 AA alkaline batteries

**198142** Box MODULAR LED, TWIN LUX LED 4500 K

Content: Heads 16 D, 12 D, 8 D and basic unit 4500 K, battery operated TWIN LUX LED 4500 K
Displays

- **SlimLine**
  
  Floor stand display to promote sales of SCHWEIZER magnifiers. Appealing exhibition in a modern stainless steel look. Fits in every ambiance.

- Well-arranged and clear presentation of the products
- Easy to handle
- Attractive teaser
- Flexible positioning, moveable smoothly on 4 castors (lockable)
- Can hold up to 8 boxes (includes 4 box holders, additional box holders are available separately)
- Safe and economic shipping in 1 parcel

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**930007 Sample kit case**

- Total weight incl. all products less than 9 kg
- Case size approx. 58 x 48 x 21 cm
- Removable middle plate for ease of display at exhibitions
- Please contact us for details of content

**500012 SlimLine**

- Display in silver colour incl. 4 box holders
- Size (W x H x D): ca. 50 x 182 x 60 cm
- Boxes and products not included

**500022 Pack of 2 additional box holders for SlimLine**
Aspheric reading magnifiers

- **ERGO-Style**

The ergonomic 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
- Timeless colour combination of white and charcoal grey
- Aspheric lightweight lens

These aspheric reading magnifiers are also available with LED illumination. For further information please refer to page 8.
**SEMPRAL**

The classic reading magnifier in an elegant design.
- Convenient integrated lanyard holder
- Aspheric lightweight lens

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**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
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

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Suitable soft case

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</table>
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)

- **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

Suitable soft case

- 119632 Suitable for CLASSIC 12 D, 10 D, 6 D, 4 D; BIFOCUS 6 D, 4 D; ELEGANT
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 / 75 x 50 mm

**902002 SIR**
6 D / 100 x 50 mm

**903002 BOSS**
8 D / 100 x 75 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

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

Needlework magnifier

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

- **ERGO-Pocket**

The ergonomic 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
- Timeless colour combination of white and charcoal grey
- Aspheric lightweight lens

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<td>181122</td>
<td>12 D</td>
<td>Ø 35 mm</td>
<td>Pack of 4 pieces</td>
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**180062** Box ERGO-Pocket

Content: 1 piece each 56 D, 48 D, 39 D; 2 pieces each 28 D, 16 D; 3 pieces 12 D; 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
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

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**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 / 25 x 65 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** 2 x, 140 x 20 mm / 165 x 20 mm
  - **433202** 1.5 x, 200 x 25 mm / 250 x 32 mm
  - **Ruler (20 cm)**
  - **432202** 1.5 x, 200 x 35 mm / 220 x 35 mm
  - **Red guiding line**
  - **432332** 1.5 x, 330 x 35 mm / 360 x 35 mm
  - **Red guiding line**

- **Visolett®**
  930812 Trial box bright field magnifiers
  Content: Visolett® magnifier segment 25 x 65 mm; bright field magnifiers Ø 50 mm, Ø 65 mm, Ø 80 mm, Ø 95 mm; reading bars 140 x 20 mm, 200 x 35 mm

- **Reading bars**
  Reading bar made from clear optical plastic.
  - Integrated handle recess
  - Vertical magnification
  - Velour leather case included

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**NEW!**
- 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

- LED illuminated working stand magnifier with table clamp
  - Ideal high contrast LED illumination available in 3 light temperatures (only 230 V/50 Hz with Euro-plug)
  - Table clamp and adjustable arm
  - Biconvex glass lens

NEW!

- 312652 10 D / Ø 65 mm
- 314002 8 D / 100 x 75 mm
- 290942 2700 K
- 290952 4500 K
- 290962 6500 K
  4 D / Ø 120 mm
Although visually impaired people can improve their vision with traditional optical aids, there are situations which require further solutions. The video magnifiers featured in the SCHWEIZER eMag series provide additional options of vision improvement for home and on the go.

Contents

Portable video magnifiers p. 28
Desktop video magnifiers p. 30
Portable video magnifiers

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
- Operation whilst charging is possible
- Power adapter with cord included

### eMag 34
- Can easily be held in the hand and is ideal on the go
- All functions are controlled by well noticeable coloured buttons
- The viewing options are full colour, black on white, white 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
- Storage mode to save up to 15 images
- LED illumination can be switched off to avoid glare from reflective surfaces
- Automatic turn-off function is conserving the batteries and extending the operating time
- Wrist strap and carrying case with belt loop and with carrying strap included

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**534002 eMag 34**
- Magnification: 2 to 14x in 2 steps
- Weight: 121 grams
- Screen size: 3,5 inch
- Rechargeable Li-ion battery
- Up to 2,5 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 43 base**
- Writing and reading stand suitable for eMag 43
eMag 70

- Lies flat on the reading material or the object is held above the camera
- Optimized bottom surface for easy sliding on reading materials
- Ideal for three-dimensional objects
- Easy to operate integrated writing stand gives space to work under the camera
- Easily accessible coloured function buttons and slide control for magnification
- Adjustable reading line and text mask
- 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
- Weight: 880 grams
- Size: 203 x 137 x 46 mm (closed)
- Screen size: 7.0 inch
- Rechargeable Li-ion battery
- Up to 4.0 hours operating time

NEW!
Desktop video magnifiers

Desktop video magnifiers of the eMag series are functional, top-quality and comfortable. They are ideal for extended reading of printed or handwritten documents if the user needs a high magnification or suffers from reduced contrast sensitivity.

- The snapshot function can freeze the current image on the screen
- The camera automatically focuses on the closest object in view making the use of reading materials of different heights easy
- High contrast flicker-free image
- High resolution of the image
- By default the viewing options are full colour, black on white, white on black, yellow on blue, yellow on black
- The previous magnification and viewing mode settings are always saved
- TFT LCD monitor included

**eMag 170**

17 inch desktop video magnifier in proven quality with comfortable image and resolution.

- Intuitive operation of the numerous functions such as the viewing options, the brightness and the position locator by function buttons in contrasting colours
- Consistent illumination of the object without glare by bright LEDs
- Stand monitor
- Moveable XY reading table with brake

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**517002 eMag 170**

Magnification: 2.4 to 40 x
Weight: 15.4 kg
Total size: (W x H x D): 430 x 710 x 440 mm
XY table size: 437 x 381 mm
Screen size: 17 inch

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**510002 eMag Table high**

Suitable for eMag 170, 200 and 240 HD, trapezium-shaped with lockable castors, height adjustable, size (W x D x H): 800 x 600 x 780 – 1000 mm

**510012 eMag Table low**

Suitable for eMag 170, 200 and 240 HD, trapezium-shaped with lockable castors, height adjustable, size (W x D x H): 800 x 600 x 650 – 910 mm
### eMag 200

User-friendly 20 inch desktop video magnifier in optimized quality with outstanding flicker-free image and resolution. Intuitive operation by solid function dials in contrasting colours.

- Orientation aid zooms out and back in on a selected new area of a document (find function)
- The monitor can be raised, lowered and swivelled 180 degrees side to side for best ergonomics
- Reading line, position locator for writing and focus lock to switch off the auto-focus
- Perfect illumination of the reading table without glare by 4 powerful SMD LEDs
- Large XY reading table which can be braked or fully locked
- XY reading table with built-in holder to keep cans and bottles from rolling off the table
- The combination of a 16:9 camera and a TFT LCD monitor avoids distortion and thus improves the reading fluency
- 210 mm working distance between the camera and the XY reading table

### eMag 240 HD

Comfortable 24 inch desktop video magnifier in optimized HD quality with highest image quality and peripheral sharpness.

Same features as eMag 200 plus the following:

- 24 inch TFT LCD monitor
- High contrast flicker-free and high resolution image in HD quality
- The lowest magnification of 19x and the various viewing options (contrast settings) are ideal for RP patients
- 30 different contrast settings
- Horizontal or vertical reading mask showing only a slice of the screen for better orientation and fatigue-free reading fluency

---

**520002 eMag 200**

- Magnification: 2,3 to 60 x
- Weight: 18,6 kg
- Total size: (W x H min./max. x D): 565 x 480/630 x 439 mm
- XY table size: 437 x 406 mm
- Screen size: 20 inch

**524002 eMag 240 HD**

- Magnification: 1,9 to 71 x
- Weight: 19,8 kg
- Total size: (W x H min./max. x D): 565 x 505/675 x 439 mm
- XY table size: 437 x 406 mm
- Screen size: 24 inch
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.
LowVision lamps

- **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 goose neck
  - Dimensions:
    - Base to goose neck: 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

- **MULTILIGHT LED Table**
  Table lamp with 42 durable and energy efficient SMD-LEDs.
  - Solid table base included, optional table clamp available
  - Convenient sensor switch integrated in the lamp body
  - Lamp head can be moved 180° horizontally and 45° vertically as well as axially
  - Height of lamp head adjustable from 40 cm up to 60 cm
  - Maximum horizontal deflection 70 cm
  - Footprint: 18 x 24 cm
  - Weight: 1700 g
  - Inclusive transformer cable 150 cm with Euro-plug for power supply 100 – 240 V / 50 – 60 Hz
  - The table base is supplied unmounted and can be mounted easily with one screw

Light temperatures: 2700 K, 4500 K, 6500 K

[Images of the lamps]

- **MULTILIGHT LED Stand**
- **MULTILIGHT LED Table**
- **Table clamp**
  Solid table clamp with turnable base for MULTILIGHT LED Table, maximum width 60 mm
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 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 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)

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.
Galilei telescopes

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 4,17 cm can be created
- The combination of a Basic front cap with an Add-on front cap create an aplanatic front cap up to + 24,00 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

Front caps

<table>
<thead>
<tr>
<th>Basic</th>
<th>Add-on</th>
</tr>
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<tbody>
<tr>
<td>938015</td>
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<tr>
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<td>939815</td>
</tr>
<tr>
<td>938125</td>
<td>939125</td>
</tr>
</tbody>
</table>
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®)

| 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 |

Mounting lens inclusive adapter for back correction lens 15 mm

| 931067 | Case for telescopic spectacles |

| 933315 | 200 mm; 5,0 D; 2 pieces |
| 933325 | 250 mm; 4,0 D; 2 pieces |
| 933335 | 330 mm; 3,0 D; 2 pieces |

Convergence adapter for trial frame

| 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 |
Kepler telescopes

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

**Kepler 3 x 9**
Magnification 3x, field of view 12.5°, objective Ø 9 mm, silver black metal housing

**Kepler 4 x 10**
Magnification 4x, field of view 10.0°, objective Ø 10 mm, silver black metal housing

**Kepler 4 x 12**
Magnification 4x, field of view 12.5°, objective Ø 12 mm, silver black metal housing

**Kepler 6 x 16**
Magnification 6x, field of view 10.0°, objective Ø 16 mm, black metal housing

**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 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

<table>
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<tr>
<th>Code</th>
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<tbody>
<tr>
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<td>3 x 9</td>
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<tr>
<td>932555</td>
<td>4 x 10</td>
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<tr>
<td>932505</td>
<td>4 x 12</td>
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</table>

Adapter for Basic front caps

<table>
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</thead>
<tbody>
<tr>
<td>938025</td>
<td>3 x 9, 4 x 10</td>
<td></td>
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</tbody>
</table>

Case for telescopic spectacles

<table>
<thead>
<tr>
<th>Code</th>
<th></th>
</tr>
</thead>
</table>
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.

- **Individual mounting parts**

  - 93265  **Mounting lens with mounting slot**
    3 mm thickness, CR39, Ø 80 mm, pack of 2 pieces
  - 93266  **Mounting lens without mounting slot**
    3 mm thickness, CR39, Ø 80 mm, pack of 2 pieces
  - 93265  **Mounting lens without mounting slot frosted**
    3 mm thickness, CR39, Ø 80 mm, 1 piece
  - 93271  **Washer 0,5 mm thickness**
    Pack of 6 pieces
  - 93272  **Washer 1,0 mm thickness**
    Pack of 6 pieces
  - 93273  **Washer 2,0 mm thickness**
    Pack of 6 pieces
  - 93274  **Set of washers**
    6 pieces each of 0,5 mm, 1,0 mm and 2,0 mm thickness
  - 93275  **Aluminium adapter for back correction lens (Ø 22 mm)**
    Pack of 2 pieces
  - 93276  **Aluminium spare lock ring**
    Pack of 2 pieces
  - 93277  **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

Monocular 4×12
Magnification 4x, field of view 12.5°, objective Ø 12 mm, silver black metal housing

Monocular 6×16
Magnification 6x, with acrylic stand 20x, field of view 10.0°, objective Ø 16 mm, silver black metal housing

Monocular 8×20
Magnification 8x, with acrylic stand 25x, field of view 7.0°, objective Ø 20 mm, silver black metal housing

Monocular 10×20
Magnification 10x, with acrylic stand 30x, field of view 6.0°, objective Ø 20 mm, black metal housing

Monocular 10×30
Magnification 10x, with acrylic stand 30x, field of view 6.0°, objective Ø 30 mm, black metal housing

Transparent acrylic stand

<table>
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<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>933205</td>
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<tr>
<td>933285</td>
<td>Suitable for 8×30, 10×30</td>
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</table>

Finger ring

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>933775</td>
<td>Suitable for 4×12, small</td>
</tr>
<tr>
<td>933215</td>
<td>Suitable for 6×16, 8×20, large with short eye cup</td>
</tr>
</tbody>
</table>
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 spectacles and daily living aids to improve the quality of life of visually impaired people further.
Telescope frames

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

- **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

<table>
<thead>
<tr>
<th>Style</th>
<th>Colour</th>
<th>Size</th>
</tr>
</thead>
<tbody>
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</tr>
<tr>
<td>935716</td>
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<tr>
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<td>47-18-145</td>
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<td>935806</td>
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<td>50-18-145</td>
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<tr>
<td>935816</td>
<td>Titanium grey colour, matt</td>
<td>53-18-145</td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Description</th>
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<tbody>
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<td>935566</td>
<td>Titanium grey colour, matt</td>
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<tr>
<td>935576</td>
<td>Titanium grey colour, matt</td>
<td>51-19-145</td>
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<tr>
<td>935546</td>
<td>Lilac rosy colour, matt</td>
<td>48-19-145</td>
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<tr>
<td>935556</td>
<td>Lilac rosy colour, matt</td>
<td>51-19-145</td>
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### Male model

<table>
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<tr>
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<td>53-19-145</td>
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<tr>
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<td>Night blue colour, matt</td>
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</tr>
<tr>
<td>935656</td>
<td>Night blue colour, matt</td>
<td>53-19-145</td>
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</tbody>
</table>
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**

  **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

  **Please note:**

  - **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:**

  - **Standard telescope frames**
    - Material: Skin friendly special alloy, screws and saddle bridge insert made from stainless steel
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  - Silicone contact surface of the saddle bridge and the temple ends

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  - 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
Protective spectacles

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%

Protective spectacles with comfort filters

Perfect protection of the eye against aggressive UV light whilst discomforting parts of the light are also cut off for increased sharpness and contrast.

- Irritating visible blue light is blocked
- The other parts of the light spectrum still reach the eye
- Natural colour vision which is especially important for people suffering from AMD

Variants:
- Protective spectacles in brown colour
  - 937716 Gr. 48-17
  - 937556 Gr. 50-17
  - 937576 Gr. 52-17
- Protective spectacles in black colour
  - 937726 Gr. 48-17
  - 937566 Gr. 50-17

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Comfort soft
- Brown
- Black

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Comfort soft POL
- Brown
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Comfort soft gradient
- Brown
- Black

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Comfort
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Comfort POL
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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

- **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

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<tr>
<td>934021</td>
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<td>934011</td>
<td>5,5 D for working distance 180 mm</td>
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<td>934031</td>
<td>7,0 D for working distance 125 mm</td>
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- **934001** RIDO-Clip set with all lens parts
  - Content: Clip and one lens part each 3,0 D, 5,5 D, 7,0 D
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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<tr>
<th>Phone</th>
<th>+49-9191-72 10 56</th>
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<td>Fax</td>
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