Magnifying Visual Devices

Product Catalog

ZEISS

We make it visible.


The moment you see something
you couldn't before.
This is the moment we work for.
// REVELATION
MADE BY ZEISS

Good vision for everyday tasks

Good vision plays a key role in our everyday lives, regardless of whether we are at work or enjoying our leisure time. However, certain tasks or an impairment of our visual performance, e.g. due to a retinal disorder, require special solutions beyond the capabilities of regular eyeglasses or contact lenses.

ZEISS offers an extensive line of magnifying visual devices tailored to meet the needs of each individual wearer.

The prime objective in the production of each magnifying visual device is to achieve the best possible visual performance for each wearer in line with the requirements of the task to be performed and the respective situation.

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ZEISS Magnifiers

Flexibility for many visual tasks

Sometimes the naked eye is simply not enough to distinguish small details. Magnifiers are converging lenses that allow the eye to move closer to the object to be observed. Whether for reading or doing handicraft work – magnifiers can provide excellent support.

ZEISS Magnifiers
Overview

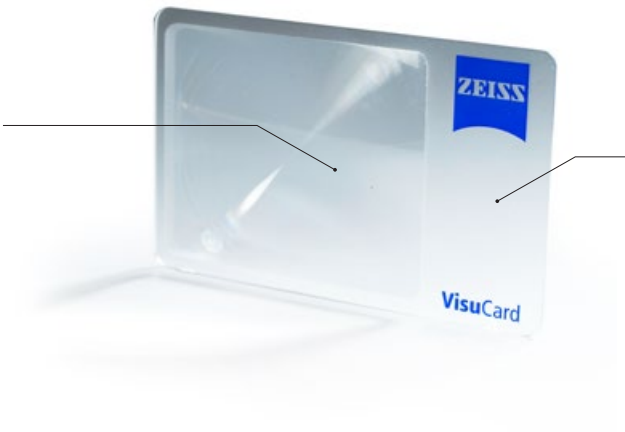
The following diagram shows an overview of the magnifiers available and provides a short description of the products.

	VisuCard	**Aplanatic-achromatic pocket magnifiers**
Mobile		
	■ *Optical brilliance the size of a credit card* ■ *Refractive power + 6.5 D* ■ *Microstructured asphere*	■ *No distortion or chromatic aberration* ■ *Available as single pocket magnifier with 24 D or 40 D* ■ *Available as double pocket magnifier with 36 D (combination of 12 D and 24 D)* ■ *Comes standard with antireflective coating*
Hobbies	**VisuLook classic**	**Head-worn loupe L / LC**
		
	■ *Aspheric hand-held magnifiers with 6 D, 8 D,12 D, 16 D or 20 D* ■ *Aspheric lens design* ■ *Comes standard with hard protective coating*	■ *Head-worn loupes with binocular magnifying component* ■ *Available with 4 D or 6 D* ■ *Hands remain free to perform the task at hand*

ZEISS VisuCard

Whether for those little details we all experience in our everyday lives or as a reading aid, the ZEISS VisuCard is ideal for many situations where you want to subject something to closer scrutiny.

Due to their small size they are ideal for mobile use: thanks to the microstructured asphere, they are no thicker than a credit card, and their protective hard coating makes them resistant to the stress and strain of everyday life. Every magnifier comes standard with a sleeve for safe storage and transportation.



Magnifying component

Supporting rim
to hold magnifier in place

Technical data

Refractive power (D)	**Dimensions**	**Optical surface of the magnifier** Thickness	**Weight:**
+6.5 D	85.6 x 54 mm	58 x 48 mm	1 g (without sleeve)

ZEISS Aplanatic-achromatic Pocket Magnifiers

In many visual tasks where precise imaging is a must, particularly in industry, research and the handicrafts, aplanatic-achromatic magnifiers are indispensable aids. Their small dimensions also make them suitable for persons with low vision, e.g. for mobile use.

The aplanatic-achromatic pocket magnifiers are marked with a dioptric power (D) which makes it possible to determine the respective magnification depending on the conditions of use.
These magnifiers provide images without distortion and chromatic aberration across the entire field of view. They come standard with antireflective coating.

Technical data

Refractive power (D)	Magnification for reference distance of 0.25 m (D/4)	Optically effective diameter	Optimal conditions of use		
			Using distance		Field of view
24 D	6x	22 mm	35 mm	10 mm	52 mm
40 D	10x	13 mm	20 mm	10 mm	22 mm
36 D = 24 D +12 D	9x = 6x + 3x	22 mm	25/35/80 mm	10 mm	32/52/127 mm

ZEISS VisuLook classic
Aspheric Hand-held Magnifiers

Many tasks we perform at work or in our private lives that require either good vision or extreme precision can be more easily performed using hand-held magnifiers. The ZEISS "VisuLook classic" line features five models in a classic design.
The magnifiers are classified according to their dioptric powers and each has the largest possible diameter for their respective power. Their aspheric optics are tailored to the respective conditions of use.

Image quality and distortion – utilizing the maximum magnification – have been optimized so that there are no signification aberrations.
The pocket magnifiers are marked with a dioptric power (D) which makes it possible to determine the respective magnification depending on the conditions of use.
The hand-held magnifiers come standard with a protective hard coating. Additionally, a top-quality, broadband antireflective coating can be selected.
Each magnifier is delivered with a matching case.

Technical data

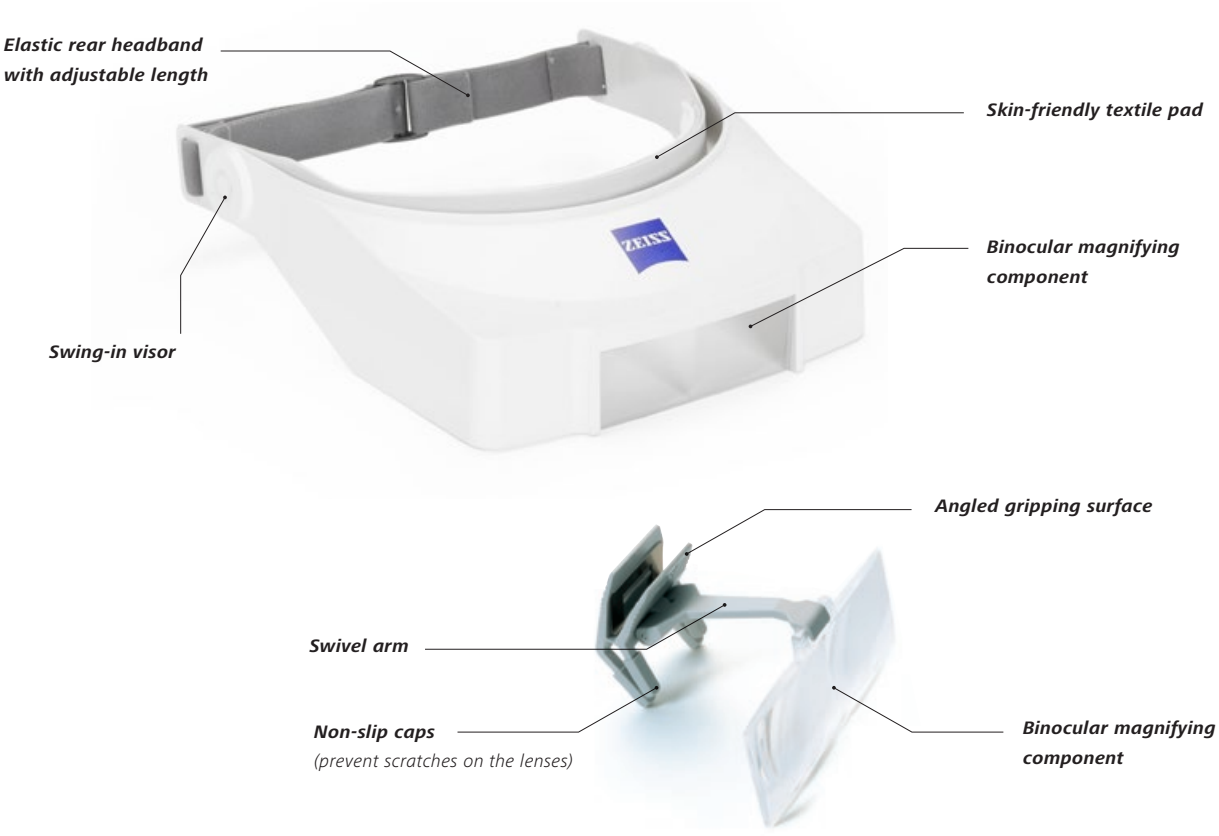
Refractive power (D)	**Magnification** at reference distance of 0.25 m (D/4)	**Optically effective diameter**	**Optimal conditions of use**			
			Using distance		Magnification	Field of view
6 D	1.5x	100 mm	145 mm	185 mm	2.1x	90 mm
8 D	2x	85 mm	110 mm	220 mm	2.7x	50 mm
12 D	3x	70 mm	70 mm	210 mm	3.5x	30 mm
16 D	4x	60 mm	55 mm	130 mm	3.25x	30 mm
20 D	5x	55 mm	40 mm	90 mm	3.1x	28 mm

ZEISS Head-worn Loupe L / ZEISS Head-worn Loupe LC

The head-worn loupes are used in particular when low magnification suffices to perform the task at hand. The user's hands remain free.
The ZEISS Head-worn Loupe L consists of a vertically adjustable visor, closed at the sides, that prevents jthe entry of irritating light and can be swung out of the field of view if required.

To increase wearing comfort, the headband is fitted with an exchangeable textile pad.

The ZEISS Head-worn Loupe LC is a magnifier clip that can be attached to most prescription eyewear. The height and inclination of the magnifying component can be adjusted.



Technical data

Refractive power (D)	Optically effective diameter	Conditions of use			
		Using distance		Magnification	Field of view, binocular
4 D	40 x 30 mm	200 mm	60 mm	1.25x	83 x 100 mm
6 D	40 x 30 mm	140 mm	60 mm	1.4x	72 x 75 mm

Weight of Head-worn Loupe LC: approx. 20 g

Weight of Head-worn Loupe L: approx. 110 g

ZEISS Low Vision

Devices

Low vision restricts the life of the affected person so severely that many everyday activities can no longer be performed. It must therefore be possible to adapt low vision devices to the personal needs of each individual user in order to achieve the optimal visual outcome.
The major benefit of many ZEISS special visual devices: they can be used for both distance and near vision.

ZEISS Low Vision Devices
Overview

Low vision devices are adapted to the personal needs of each individual wearer. They must be selected and tried out to meet the needs of the respective pathology and the desired application.

Magnifying Bifocals S 25

- *Base lens with distance correction for orientation to surroundings*
- *Magnifying component with additions 6 D, 8 D, 12 D or 16 D*
- *Correction of ametropia in both base lens and in magnifying component*

Telescopic spectacles

Galilean design

- *Telescope systems with 1.8x, 2.2x or 2x telescope magnification*
- *Object-side clip-on lenses for near vision (G 1.8 and G 2.2)*
- *Compact design, low weight, optimized fields of view*

Kepler design

- *Telescope system with 4x telescope magnification*
- *Object-side clip-on lenses for near use*
- *Very good imaging properties*

System carrier

STMS

- *Special titanium frame for telescopic and teleloupe spectacles*
- *High wearing comfort thanks to low weight and special features*

LV basic

- *Special frame for telescopic and teleloupe spectacles*
- *High wearing comfort thanks to special features*

Monocular hand-held telescopes

- *Telescope systems with Kepler design*
- *Continuous focusing from far to near*
- *Distance magnifications 3x, 4x or 6x*

Filter clips

- *Medical filters for use in certain disorders of the eye (e.g. degenerative retinal diseases)*
- *Absorption of part of the visible shortwave spectrum*

ZEISS Magnifying Bifocals S 25

This glass bifocal lens consists of a base lens with distance correction and a segment-like magnifying portion that is cemented onto the back surface of the base lens. The correction of ametropia is therefore effective in both the distance and the magnifying portions. The distance portion is used for orientation within the wearer's surroundings, while work at close range and the reading of standard font sizes are possible with the magnifying portion.

Due to the short working distances only monocular use is generally possible. The 1.5x and 2x magnifications can also be used binocularly. The magnifying portions are then produced with convergence-relieving prisms.

Glass base lens
with distance correction

Magnifying segment S 25

Technical data

Loupe magnification (D/4)	Dioptric power of magnifying portion	Working distance measured from the eye	Field of view
1.5x	6 D	175 mm	123 mm
2x	8 D	140 mm	104 mm
3x	12 D	100 mm	74 mm
4x	16 D	75 mm	53 mm


ZEISS

ZEISS Telescopic Spectacles G 1.8

The ZEISS Telescopic Spectacles G 1.8 are used monocularly or binocularly by low vision patients in order to magnify distant objects to such an extent that they can be recognized again. Object-side clip-on lenses turn the telescope system into a teleloupe system. The appropriate magnification allows the recognition of near objects and the reading of standard font sizes again.

Due to the parallel position of the telescope systems (in binocular use), the ZEISS Telescopic Spectacles G 1.8 can only be used monocularly for near vision. The other side is then covered with a frosted clip-on lens.

Technical data
(for correction 0.0 D)

Distance M	Field of view	Overall length	Weight
1.8x	425 m/1000 m ≙ 24°	26 mm	approx. 30 g

Clip-on lenses for intermediate distances

Total magnification for near**	Dioptric power (D)	Working distance from eye	Working distance	Field of view
1,87	+1,00	1 m	1 m	500 mm
1,94	+2,00	0,54 m	0,5 m	260 mm
2,00	+3,00	0,37 m	0,33 m	170 mm

***** referred to working distance

Clip-on lenses for near

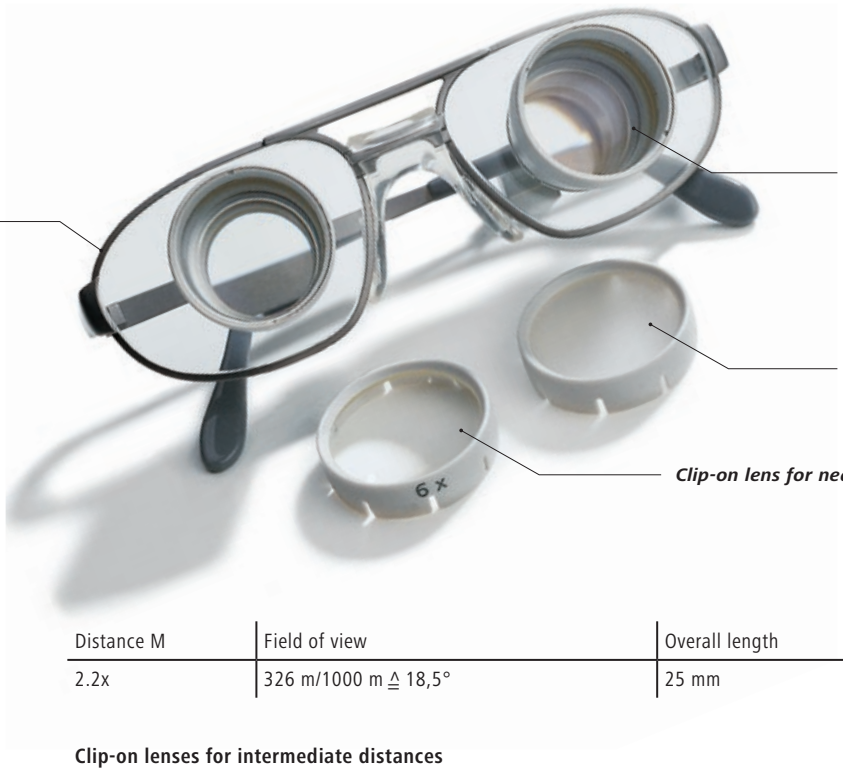
Total magnification for near**	Loupe magnification	Dioptric power (D)	Working distance from eye	Working distance	Field of view
2x	1,11x	+4,47	260 mm	217 mm	110 mm
3x	1,67x	+6,71	185 mm	142 mm	75 mm
4x	2,22x	+8,95	150 mm	107 mm	52 mm
5x	2,78x	+11,19	130 mm	85 mm	42 mm
6x	3,33x	+13,18	110 mm	65 mm	34 mm
8x	4,44x	+17,65	95 mm	50 mm	26 mm
10x	5,5x	+22,38	90 mm	43 mm	20 mm
12x	6,6x	+26,35	85 mm	37 mm	15 mm

****** for working distance 250 mm

ZEISS Telescopic Spectacles G 2.2

The ZEISS Telescopic Spectacles G 2.2 are fitted monocularly or binocularly with one or two Galilean-type telescope systems. The distance magnification is 2.2x.
Object-side clip-on lenses expand the possibilities of use. In this way, the ZEISS Telescopic Spectacles G 2.2 can be used for the distance, intermediate and near ranges.

The appropriate magnification allows the recognition of near objects and the reading of of standard font sizes again. Due to the parallel position of the telescope systems (in binocular use), the ZEISS Telescopic Spectacles G 2.2 can only be used monocularly for near vision. The other side is then covered with a frosted clip-on lens.



System carrier SMTS
made of titanium

Telescope system(s) G 2.2

Frosted clip-on lens

Clip-on lens for near

Technical data
(for correction 0.0 D)

Distance M	Field of view	Overall length	Weight
2.2x	326 m/1000 m ≙ 18,5°	25 mm	approx. 18.5 g

Clip-on lenses for intermediate distances

Total magnification for near**	Dioptric power (D)	Working distance from eye	Working distance	Field of view
2.27x	+ 0.50	2.067 m	2 m	625 mm
2.32x	+ 1.00	1.053 m	1 m	313 mm
2.44x	+ 2.00	0.555 m	0.52 m	159 mm
2.55x	+ 3.00	0.386 m	0.35 m	106 mm

***** referred to working distance

Clip-on lenses for near

Total magnification for near**	Loupe magnification	Dioptric power (D)	Working distance from eye	Working Working distance	Field of view
2.5x	1.14x	+ 4.56	246 mm	209 mm	65 mm
3x	1.36x	+ 5.44	211 mm	175 mm	55 mm
4x	1.82x	+ 7.28	167 mm	131 mm	41 mm
5x	2.27x	+ 9.10	142 mm	105 mm	33 mm
6x	2.73x	+ 10.92	125 mm	88 mm	28 mm
8x	3.64x	+ 14.56	102 mm	66 mm	20 mm

****** for working distance 250 mm

ZEISS Telescopic Spectacles G 2 bioptics

G 2 bioptics is a Galilean-type telescope system with 2x telescope magnification. It is used by persons with low vision in order to view distant objects with magnification. The optical system is mounted in a holding ring that is cemented onto glass or plastic lenses of any prescription (please note lens types, see price list). In rare cases the telescope systems are also fitted binocularly.
The Galilean system is cemented onto the upper part of the lens – above the main line of vision. With normal head and body posture, near vision and spatial orientation are performed by using the lens below and laterally to the Galilean system.
The head is lowered and eye raised to look through the telescope. This allows details in the distance to be viewed with magnification.
The ZEISS Telescopic Spectacles G 2 bioptics are particularly suitable for orientation purposes outdoors. They are also used as mobile visual devices for children at school.

Technical data
(for correction 0.0 D)

Distance M	Field of view	Overall length	Weight
2x	10° (180 m/1000 m)	approx. 20 mm	approx. 7 g (system with holding ring)

The holding ring of the Telescopic Spectacles G 2 bioptics can be mounted on glass or plastic carrier lenses.
Mounting on plastic lenses is possible on the following lens types only:

- ZEISS single vision sph 1.6
- ZEISS single vision sph 1.6 Gold ET
- ZEISS single vision sph 1.5
- ZEISS single vision sph 1.5 Gold ET
- ZEISS Bifocal Classic CT 28 1.5 Hard Gold ET
- ZEISS Bifocal Classic CT 25 1.5 Hard Gold ET

The minimum center thickness of plastic carrier lenses is 2.5 mm.
Any stable, easy-to-fit eyeglass frame is suitable as a system carrier.
To demonstrate the systems, special test holders can be mounted in the trial frame.

ZEISS Telescopic Spectacles K 4

The ZEISS Telescopic Spectacles K 4 are fitted monocularly with a Kepler-type telescope system with 4x magnification for distance.
They help persons with low vision to see distant objects with magnification.

Object-side clip-on lenses for intermediate and/or near distances turn the telescope system into a teleloupe system. This allows the user to recognize near objects and read standard font sizes again.
A swing mechanism on the clip-on lenses allows rapid switching between far and near. Double clip-on lenses permit one of the two lenses to be swung into position.

Swing-in clip-on lens
for near

System carrier SMTS
made of titanium

Telescope system K 4

Carrier lens

Swing-in double clip-on lens

Technical data
(for correction 0.0 D)

Distance M	Field of view	Overall length	Weight
4x	226 m/1000 m ≙ 13°	approx. 52 mm	approx. 33 g

Clip-on lenses for intermediate distances

Total magnification for near**	Dioptric power (D)	Working distance from eye	Working distance	Field of view
approx. 4x	+ 0.34	3.066 m	3 m	685 mm
approx. 4x	+ 0.50	2.066 m	2 m	463 mm
approx. 4x	+ 1.00	1.066 m	1 m	232 mm
approx. 4x	+ 2.00	0.566 m	0.5 m	118 mm

Swing-in double clip-on lenses possible as:

Combination with dioptric power for intermediate distances and required loupe magnification for near

Combinations of different loupe magnifications for near

Clip-on lenses for near

Total magnification for near**	Loupe magnification	Dioptric power (D)	Working distance from eye	Working distance	Field of view
4x	1x	+ 4.0	313 mm	247 mm	58 mm
5x	1.25x	+ 5.0	264 mm	198 mm	47 mm
6x	1.5x	+ 6.0	233 mm	167 mm	40 mm
8x	2x	+ 8.0	187 mm	121 mm	29 mm
10x	2.5x	+ 10.0	164 mm	98 mm	23 mm
12x	3x	+ 12.0	149 mm	83 mm	20 mm
14x	3.5x	+ 14.0	135 mm	69 mm	17 mm
16x	4x	+ 16.0	126 mm	60 mm	15 mm
20x	5x	+ 20.0	113 mm	47 mm	12 mm

Telescopic Spectacles K 4 vario

The ZEISS Telescopic Spectacles K 4 vario are fitted monocularly with a Kepler-type telescope system with 4x magnification for distance. The system can be set from far to near by turning the objective lens.
The ZEISS Telescopic Spectacles K 4 vario can be optionally fitted with a locking ring that serves as a stop for the objective lens to set the longest object distance desired by the user. A stud screw can be used to lock the ring in the desired position on the system housing.

The teleloupe magnification is 8x. The near magnification can be increased to 10x using a clip-on lens. Persons with low vision use the ZEISS Telescopic Spectacles K 4 vario to recognize distant, intermediate and near objects.

Carrier lens

System carrier SMTS
made of titanium

Telescope system K 4 vario

Clip-on lens
for near

Technical data
(for correction 0.0 D)

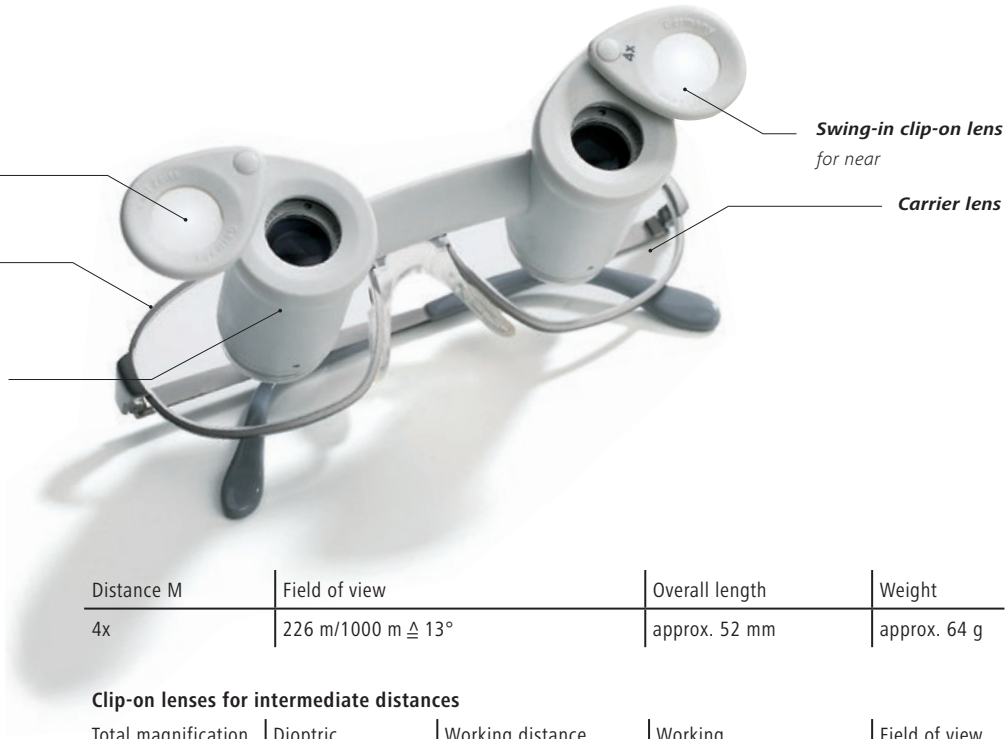
$M_{far} \leftrightarrow M_{near}$	with clip-on lens M_{near}	Overall length	Weight
4x ↔ 8x	10x	44.5 ↔ 64.5 mm	approx. 46 g

	Magnification	Working distance from eye	Free working distance	Field of view
Telescope system K 4 vario Distance focusing	4x	∞	∞	226 m/1000 m
Near focusing	8x	245 mm	170 mm	29 mm
Telescope system K 4 vario with clip-on lens Distance focusing	approx. 4x	1.6 m	1.54 m	380 mm
Near focusing	10x	200 m	120 mm	20 mm

Telescopic Spectacles K 4 bino

The ZEISS Telescope Spectacles K 4 bino are a binocular telescope system that allows persons with low vision to view distant objects with 4x magnification.
Object-side clip-on lenses turn the telescope system into a teleloupe system that enables the recognition of near objects and the reading of standard font sizes. Due to the parallel position of the optical systems near use is only possible monocularly. The other side is then covered with a frosted clip-on lens.

Clip-on lenses are used with a swing mechanism that permits the rapid switch between near and far. Double clip-on lenses permit one of the two lenses to be swung into position.



Technical data
(for correction 0.0 D)

Distance M	Field of view	Overall length	Weight
4x	226 m/1000 m ≙ 13°	approx. 52 mm	approx. 64 g

Clip-on lenses for intermediate distances

Total magnification for near**	Dioptric power (D)	Working distance from eye	Working distance	Field of view
approx. 4x	+ 0.34	3.066 m	3 m	685 mm
approx. 4x	+ 0.50	2.066 m	2 m	463 mm
approx. 4x	+ 1.00	1.066 m	1 m	232 mm
approx. 4x	+ 2.00	0.566 m	0.5 m	118 mm

Swing-in double clip-on lenses possible as:

Combination with dioptric power for intermediate distances and required loupe magnification for near

Combinations of different loupe magnifications for near

Clip-on lenses for near

Total magnification for near**	Loupe magnification	Dioptric power (D)	Working distance from eye	Working Working distance	Field of view
4x	1x	+ 4.0	313 mm	247 mm	58 mm
5x	1.25x	+ 5.0	264 mm	198 mm	47 mm
6x	1.5x	+ 6.0	233 mm	167 mm	40 mm
8x	2x	+ 8.0	187 mm	121 mm	29 mm
10x	2.5x	+ 10.0	164 mm	98 mm	23 mm
12x	3x	+ 12.0	149 mm	83 mm	20 mm
14x	3.5x	+ 14.0	135 mm	69 mm	17 mm
16x	4x	+ 16.0	126 mm	60 mm	15 mm
20x	5x	+ 20.0	113 mm	47 mm	12 mm

Teleloupe Spectacles K bino

The Teleloupe Spectacles K bino with 4x to 8x magnification are intended for binocular use only in order to magnify near objects and reading texts so that they can be recognized again by the low vision patient.

Carrier lens

System carrier SMTS
made of titanium

Teleloupe system K bino

Technical data
(for correction 0.0 D)

Overall length	**Weight**
Depending on ametropia and magnification, between 50 and 59 mm	approx. 64 g

Magnification	Working distance from eye	Working distance	Field of view
4x	295 mm	depending on ametropia	58 mm
5x	255 mm		46 mm
6x	230 mm		38 mm
8x	200 mm		29 mm

ZEISS Standard Fitting Set

The Standard Fitting Set contains material for prescribing and fitting ZEISS Telescopic Spectacles G 1.8, G 2.2, K 4 and K 4 vario.
This includes telescope systems that are each fitted with an adapter for insertion in the trial frame. Clip-on lenses are available for testing and demonstrating the near magnification. The fitting set is completed by the Low Vision Testing Charts.

The binocular reading tests and the polarization clip can be used for binocular testing.

Please see the price list for configuration details.

ZEISS Vision Testing Charts and Reading Tests

ZEISS Low Vision Testing Charts

The Zeiss Low Vision Testing Charts contain optotypes that are specially tailored to the requirements of low vision. For the test distances of 1 and 2 m, visual acuities from 0.025 to 1.0 can be tested and read off immediately for both distances.
Additional optotypes with acuity grades 0.32 to 0.64 are available for the standard viewing distance of 3 m. A lateral index allows the fast selection of the optotype size.

ZEISS Near Vision Tests

The ZEISS Near Vision Tests contain reading texts in various font sizes. The reading texts have been allocated magnifications of 25x to 1x for reading newspaper print at a viewing distance of 0.25 m. The Near Vision Tests can be used to test reading performance. The font size just legible and no more for the patient provides a direct indication of the required near magnification at which standard font sizes can still be read.

ZEISS Binocular Reading Tests

The Binocular Reading Tests from ZEISS consist of a transparent test film with a sequence of three-line text groups of different sizes. The texts in the upper and lower lines are polarizing. If appropriate analyzers are used in front of the eyes, the patient can see the upper line with one eye only, and the lower line with the other. The middle, non-polarizing line can be seen with both eyes.
The Binocular Reading Tests enable the recognition of continuous reading texts in monocular comparison under binocular conditions. This makes it possible to determine to what extent binocular reading ability is present.

ZEISS System Carrier STMS for Low Vision Devices

The ZEISS System Carrier STMS features an attractive design and modern material. The use of pure titanium guarantees not only low weight, but also optimum skin tolerance and hence plays a key role in providing maximum wearing comfort.

The single-component bridge element is torsion-free and ensures outstanding stability of the system carrier.

The proven saddle bridge guarantees a good fit of the ZEISS System Carrier STMS. However, the carrier can also be fitted with single, comfortable soft pads. The temples are available as hook temples or as straight temples with an elastic headband.

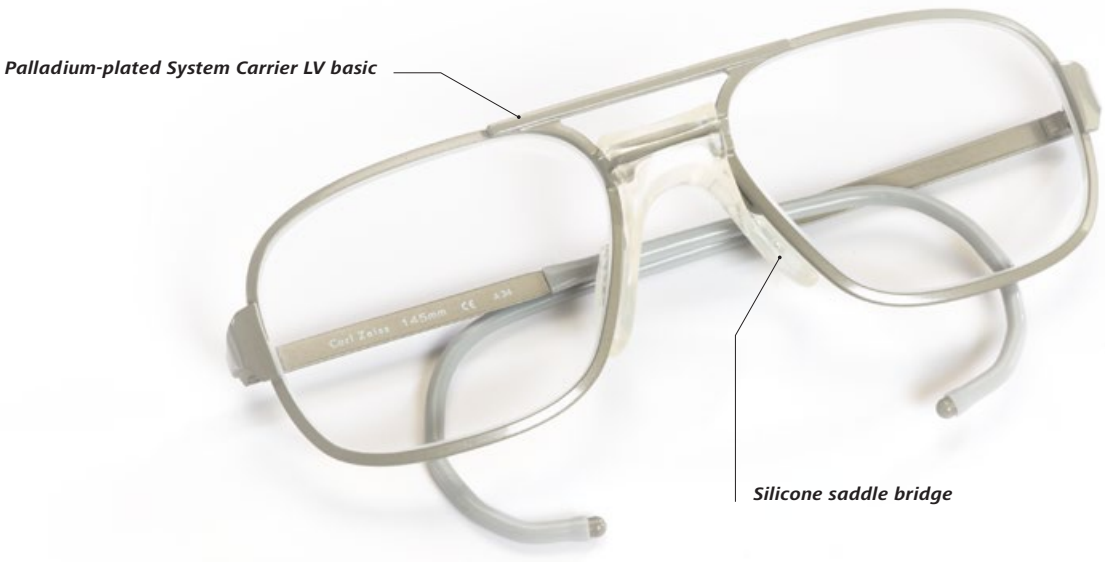
Availability

Sizes		Temple length
50/18	50/20	135 mm
53/18		135 mm
	53/20	140 mm
56/18	56/20	140 mm

ZEISS System Carrier LV basic for Low Vision Devices

The ZEISS System Carrier LV basic is specially designed to meet the special requirements of fitting telescopic and teleloupe spectacles.

The silicone saddle bridge guarantees excellent pressure distribution in the nose area. In conjunction with the the torsion-free centerpiece, special double spiral temples (Marvel temples) ensure a good fit.
The matt-finished surface is palladium-plated and does not therefore emit nickel.



Availability

Sizes		Temple length
48/18		140 mm
50/18		145 mm
52/18	52/20	
54/18	54/20	150 mm
	56/20	

ZEISS Monocular Hand-held Telescopes

3 x 12 Mono T*, 4 x 12 Mono T*, 6 x 18 Mono T*

ZEISS Monocular Hand-held Telescopes help to increase the outdoor mobility of low vision patients. Depending on the required magnification, the following models from the product line of Carl Zeiss Sports Optics GmbH are particularly suitable. Continuous focusing from distance to near offers very flexible application possibilities, e.g. for reading bus or train schedules and street signs or for viewing shop window displays.

Their compactness make hand-held telescopes easy to carry and inconspicuous.
Large fields of view and the coated optics ensure that the patient's reduced visual performance can be optimally utilized.

Technical data

	3x12 Mono T*	4x12 Mono T*	6x18 Mono T*
Distance magnification	3x	4x	6x
Near magnification	6x	7x	13x
Near setting to	0.2 m	0.3 m	0.3 m
Focusing	Rotary focusing	Slide focusing	Slide focusing
Field of view at 1000 m	220 m	180 m	120 m
Weight	54 g	45 g	58 g
Length with extended eyecup	65 mm	70 mm	94 mm
Housing	Light metal, black	glass-fiber reinforced plastic, gray	glass-fiber reinforced plastic, gray

A practical neck strap and a soft-leather case are part of the standard equipment.

Order placement, delivery and invoicing by:

Carl Zeiss Sports Optics GmbH
Gloelstrasse 3 – 5
35576 Wetzlar

www.zeiss.de/sports-optics

Inquiries and order placement: **+49 (0)6441 404 - 148**
- 149
- 151
- 152

ZEISS Filter Clips

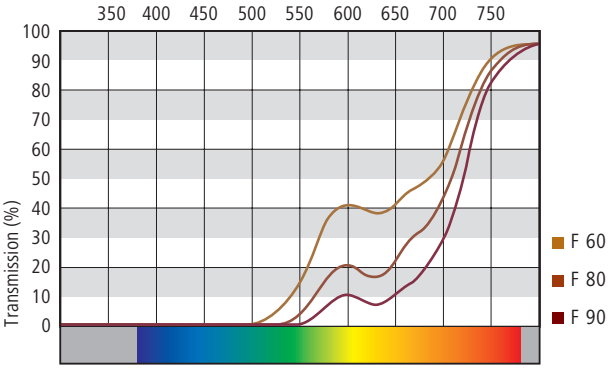
The filter clips are glazed with special plastic filter lenses made of CR 39 and do not contain any corrective power. They can be mounted on practically any corrective frame.
The special medical filters display a specific transmission that has been optimized so that part of the visible shortwave spectrum is completely absorbed. This makes these lenses suitable for patients with retinal dystrophy (e.g. achromasia, diabetic retinopathy, retinopathia pigmentosa), as they can positively influence the subjective symptoms of these disorders, such as sensitivity to glare or impaired contrast perception.

Filter clips
SCF 60, SCF 80, SCF 90
SCF 540, SCF 560, SCF 580
SCF 451, SCF 452

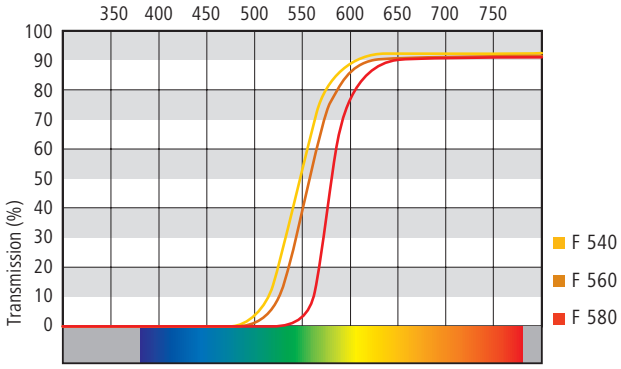
Lens type (plastic 1.5)	**Category** as per DIN EN ISO 8980-3 (degree of light reduction)	**Solar UV-A absorp-tion**	**Solar UV-B absorption**	**Suitability for use in traffic and night driving** as per DIN EN ISO 14889
ZEISS F 60	Category 2 (57 – 82%)	100%	100%	Not suitable for use in traffic!
ZEISS F 80	Category 3 (82 – 92%)	100%	100%	Not suitable for use in traffic!
ZEISS F 90	Category 3 (82 – 92%)	100%	100%	Not suitable for use in traffic!
ZEISS F 540	Category 1 (20 – 57%)	100%	100%	Not suitable for use in traffic!
ZEISS F 560	Category 1 (20 – 57%)	100%	100%	Not suitable for use in traffic!
ZEISS F 580	Category 2 (57 – 82%)	100%	100%	Not suitable for use in traffic!
ZEISS F 451	Category 2 (57 – 82%)	100%	100%	Not suitable for use in traffic!
ZEISS F 452	Category 2 (57 – 82%)	100%	100%	Not suitable for use in traffic!

Fitting Set for ZEISS Special Filter Lenses

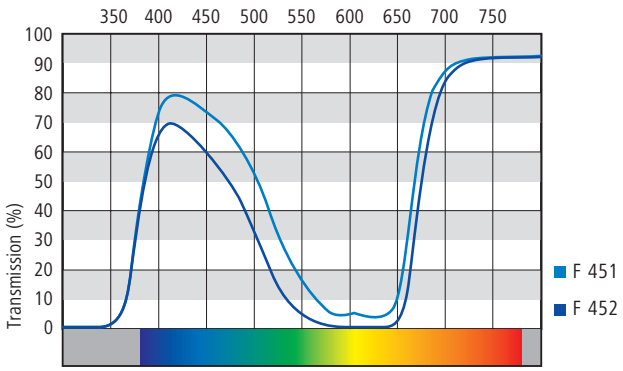
The Fitting Set for ZEISS Special Filter Lenses enables the demonstration of the various filter colors with the aid of filter clips that can be attached to practically any standard frame.
The patient can determine the optimal filter lens by subjectively comparing the different filter colors.
The standard version of the fitting set includes four filter clips (F 540, F 560, F 60 and F 80) and a container.
The container can also be used to store binocular lorgnettes (glazed with special filter lenses).



Transmission curves for ZEISS F 60, F 80, F 90



Transmission curves for ZEISS F 540, F 560, F 580



Transmission curves for ZEISS F 541, F 452

General Information

Magnifying and low vision devices are not self-explanatory. If you have any questions about our products or wish to place an order, the following staff members will be pleased to be of assistance.

Monday to Friday 8:30 to 17:00

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