



## **ZEISS Head-worn Loupes**

Product Catalog





## Precision down to the Last Detail

A large number of activities, e.g. in medicine, require extremely high precision. Often even a few fractions of a millimeter can decide between success and failure.

Particularly in dentistry and surgery, users value the benefits of magnifying optical systems which they utilize to perform precise, intricate work with greater ease than would otherwise be the case.

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## ZEISS Teleloupe Spectacles and Head-worn Loupes for Professional Users

### Overview

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



# ZEISS Head-worn Loupes KF titan / ZEISS Head-worn Loupes KS

The ZEISS Head-worn Loupes KF titan and KS are used for binocular, stereoscopic near vision in medical and technical applications.

They consist of a Kepler-type binocular teloupe system mounted on a system carrier. The ZEISS Head-worn Loupes KF titan comprise a spectacle frame with straight sides and an elastic headband which is available in different frame sizes.

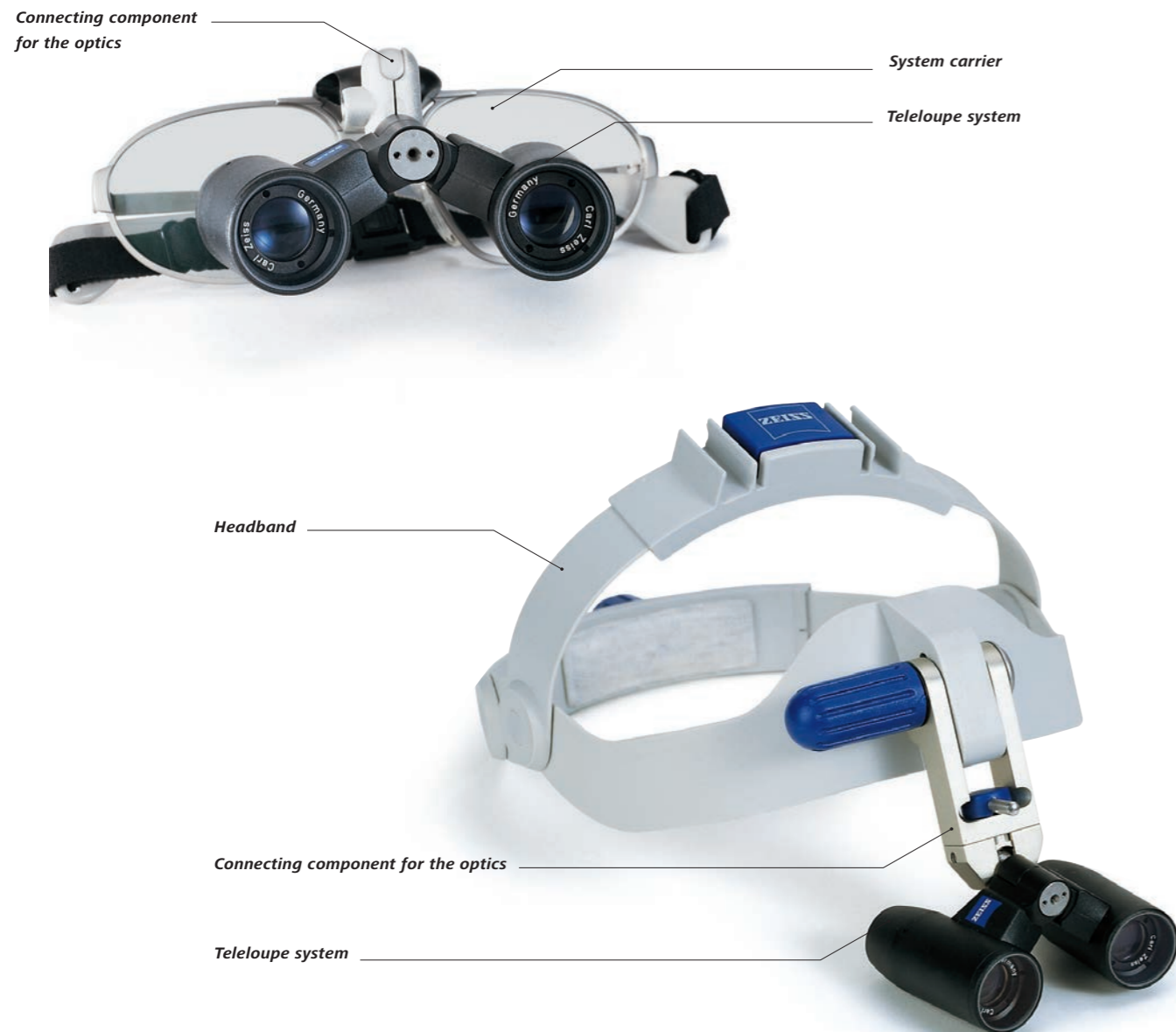
If required, the frame can be glazed with lenses of any prescription.

In the ZEISS Head-worn Loupes KS a headband is used as a system carrier that can be adapted to each wearer's head shape.

The height positioning and inclination of the optical system are performed via the respective connecting component of the support. The PD is set via the folding bridge of the system.

If needed, the teloupe system can be swung out of the field of view and then returned to the working position again.

The lens guard protects the optical systems against splashes and damage.



## Technical data

(for correction 0.0 D)

	Length (optical systems)	Weight
Head-worn Loupes KF titanium	51.5 to 62 mm	approx. 135 g
Head-worn Loupes KS	51.5 to 62 mm	approx. 330 g

## Teloupe System K

Magnification	Working distance measured from the eye	Free object distance	Field of view
4x	500 mm	425 mm	93 mm
3.2x	500 mm	430 mm	115 mm
4x	450 mm	375 mm	81 mm
3.3x	450 mm	380 mm	100 mm
4.3x	400 mm	325 mm	68 mm
3.5x	400 mm	330 mm	86 mm
4.5x	350 mm	275 mm	56 mm
3.6x	350 mm	280 mm	71 mm
5x	300 mm	220 mm	44 mm
4x	300 mm	230 mm	56 mm
4.5x	250 mm	180 mm	40 mm
5x	235 mm	155 mm	36 mm
6x	215 mm	135 mm	30 mm
8x	190 mm	110 mm	23 mm

## KF titan System Carrier

Frame sizes	Material	Color
56-18 large 53-20 standard 50-18 small	Pure titanium with solder-free, laser-welded joints	natural titanium

# ZEISS Saphiro<sup>2</sup>

The ZEISS Saphiro<sup>2</sup> is a mobile, high-performance LED illumination system which is utilized by professional users, in particular in combination with teleloupe spectacles and head-worn loupes. The fields of view are evenly illuminated by Saphiro<sup>2</sup> without shadows and with a spectrum resembling daylight, allowing many visual tasks to be performed much more effectively.

The required brightness can be set continuously on a control unit. A powerful rechargeable battery enables mobile, line-independent operation.

The high wearing comfort of the ZEISS Saphiro<sup>2</sup> is enabled by the low weight. The very small, light-weight illumination head can be inserted on all ZEISS head-worn loupes and teleloupe spectacles using mechanical adapters.



## Technical data

<b>Illumination:</b>	Illumination intensity	35,000 lux at a distance of 250 mm
	Color temperature	5,500 K (similar to daylight)
	Dimensions of illumination head	dia. 25 mm
	Weight of illumination head	11 g
<b>Battery:</b>	Lithium cobalt	2600 mAh, 3.7 V
	Service life	Approx. 3-4 hours at full load, 5-6 hours in blue area (depending on the age and charge status of the battery)
	Charging time	Approx. 3 hours
	Dimensions	100 x 30 x 30 mm
	Weight	70 g
	<b>Control unit:</b>	Dimensions
Weight (without battery)		82 g
<b>Charger:</b>	Operating voltage	100 to 240 V AC 50/60 Hz
	<b>Delivery package:</b>	1 Illumination unit with control unit 1 BCV2 charger with world plug adapter set 1 SV2 battery pack 1 fastening set 1 patient protection filter 1 Operating manual 1 case

## 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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