Once you've tried it, you'll never want to do without it again.

HEINE binocular loupes
Overview

It goes without saying that all of our binocular loupes are premium products. But, still, they differ in one or two details. Read on for a summary of what these different details are and all their benefits:

	HR	HRP	C
Magnification | working distance	2.5x|340mm 2.5x|420mm 2.5x|520mm	3.5x|420mm 4x|340mm 6x|340mm	2.3x|340mm 2.3x|450mm
Mounting options	S-FRAME spectacle frame [01], professional L headband [02]		lightweight headband [04]
Further articles	protective lenses, close-up lenses (to reduce the working distance from 340mm to 250mm), LoupeLight2 [03] (pages 125|126)	protective lenses, LoupeLight2 [03] (pages 125|126)	protective lenses
Features	i-View function*, modular, water-resistant, achromatic optics, optional prescription correction		–
Catalogue page	118-119	120-121	122

*i-View function: Provides any angle of view and flips up the optics independently of the illumination beam.

[01]

[02]

[03]

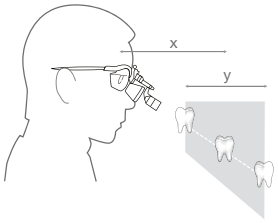
[04]

HEINE binocular loupes
How to choose the correct loupe

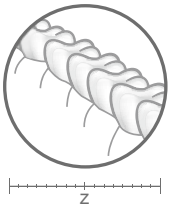
Various magnifications (from 2.3 x to 6 x), working distances, wearing options (unique S-FRAME, Lightweight headband and Professional L headband) and LoupeLight2 illumination systems are available. They provide homogeneous, reflex-free illumination even in deep cavities. State-of-the-art LED^{HQ} technology and design!

HEINE binocular loupes are used in many disciplines: e.g. general medicine, dermatology, surgery, cosmetic surgery, neurosurgery, ENT, ophthalmology, veterinary medicine, dentistry etc.

DEFINITIONS:



Working distance (x)
The distance, at which the optics of a loupe are sharply-focused.
Depth of field (y)
The range over which the image remains sharply-focused.
Field of view (z)
The area that can be seen under magnification at the nominal working distance.



CHOOSE YOUR MAGNIFICATION
Choose the lowest magnification that meets your needs. The lower the magnification, the larger the field of view and the easier the loupe will be to use.

CHOOSE YOUR OPTICS
HR: High resolution achromatic optics with excellent optical qualities.

HRP: High resolution prismatic optics with excellent optical qualities for 3.5 x magnification and higher.

C: Economy.

More information can be found on www.heine.com

CHOOSE YOUR WORKING DISTANCE
This is an individual choice depending on the examiner's size and working position. The longer the working distance, the bigger the field of view.

CHOOSE YOUR MOUNTING OPTION
Spectacle frame or headband.

ADD ILLUMINATION
Coaxial bright light is especially-important when using magnification.

HEINE HR 2.5x high resolution binocular loupes
With i-View loupe mount

HR 2.5X OPTICS WITH i-VIEW

- **Achromatic optics** for crisp, bright images with colour-correction
- **Lightweight** (51 g)
- **Water-resistant**
- **Independent adjustment** of left and right optics for perfect PD adjustment
- **High magnification with a large field of view and excellent depth of field**
- **i-View loupe mount** provides any angle of view and flips up the optics independently of the optional LoupeLight2

HR 2.5x specifications

Working distance in mm	340	420	520
Field of view in mm	90	130	180
Depth of field in mm	110	180	260

Optional
clip-in correction frame

Mounting options:
HEINE S-FRAME

- **Maximum comfort** with a modern, ergonomic design
- **Malleable temples and nose pad** can be customized to fit any face perfectly
- **Innovative materials:** Carbon-Kynetium reduces weight (24 g)
- **Tough polycarbonate protective lenses**
- **Optional clip-in correction frame** for prescription lenses

Professional L headband
with S-GUARD

HEINE PROFESSIONAL L HEADBAND WITH S-GUARD

- **S-GUARD splash protection**
- **Ergonomic nose pad** for comfort during long procedures
- **Fully-adjustable for height and width to fit any head**
- **Hygienic and comfortable leather cushions**
- **Optional clip-in correction frame** for prescription lenses

Professional L headband
without S-GUARD

HEINE PROFESSIONAL L HEADBAND WITHOUT S-GUARD

- **Ideal for spectacle-wearers in combination with their own spectacles**
- **Fully-adjustable for height and width to fit any head**
- **Hygienic and comfortable leather cushions**

HEINE HR 2.5x high resolution binocular loupes
With i-View loupe mount

Set A

Set B with S-GUARD

Set C without S-GUARD

HR 2.5x sets with i-View loupe mount

Working distance in mm	340	420	520
Set A: HR 2.5x optics with i-View on S-FRAME protective lenses 2 sterilisable swivel levers retaining cord cleaning cloth carrying case	**C-000.32.355**	**C-000.32.356**	**C-000.32.567**
Set B: HR 2.5x optics with i-View on Professional L headband S-GUARD splash protection protective lenses 2 sterilisable swivel levers cleaning cloth	**C-000.32.365**	**C-000.32.366**	**C-000.32.367**
Set C (without S-GUARD): HR 2.5x optics with i-View on Professional L headband protective lenses 2 sterilisable swivel levers	**C-000.32.865**	**C-000.32.866**	**C-000.32.867**

▶ For details of accessories and LoupeLight2 see pages 125-127.

HEINE HRP high resolution prismatic binocular loupes
With i-View loupe mount

HRP OPTICS WITH i-VIEW

- **Achromatic optics** for crisp, bright images from edge-to-edge
- **Lightweight** (85 g)
- **Water-resistant**
- **Independent adjustment** of left and right optics for perfect PD adjustment
- **Highest magnification:** Choice of 3.5 x, 4 x and 6 x
- **i-View loupe mount** provides any angle of view and flips up the optics independently of the optional LoupeLight2

HRP specifications

Working distance in mm	HRP 3.5x|420	HRP 4x|340	HRP 6x|340
Field of view in mm	65	50	40
Depth of field in mm	60	40	30

Optional
clip-in correction frame

Mounting options:
HEINE S-FRAME

- **Maximum comfort** with a modern, ergonomic design
- **Malleable temples and nose pad** can be customized to fit any face perfectly
- **Innovative materials:** Carbon-Kynetium reduces weight (24 g)
- **Tough polycarbonate protective lenses**
- **Optional clip-in correction frame** for prescription lenses

with S-GUARD

HEINE PROFESSIONAL L HEADBAND WITH S-GUARD

- **S-GUARD splash protection**
- **Ergonomic nose pad** for comfort during long procedures
- **Fully-adjustable for height and width to fit any head**
- **Hygienic and comfortable leather cushions**
- **Optional clip-in correction frame** for prescription lenses

without S-GUARD

HEINE PROFESSIONAL L HEADBAND WITHOUT S-GUARD

- **Ideal for spectacle-wearers in combination with their own spectacles**
- **Fully-adjustable for height and width to fit any head**
- **Hygienic and comfortable leather cushions**

HEINE HRP high resolution prismatic binocular loupes
With i-View loupe mount

Set A

Set B with S-GUARD

Set C without S-GUARD

HRP sets with i-View loupe mount

Working distance in mm	HRP 3.5x|420	HRP 4x|340	HRP 6x|340
Set A: HRP optics with i-View on S-FRAME protective lenses 2 sterilisable swivel levers retaining cord cleaning cloth carrying case	**C-000.32.430**	**C-000.32.431**	**C-000.32.432**
Set B: HRP optics with i-View on Professional L headband S-GUARD splash protection protective lenses 2 sterilisable swivel levers cleaning cloth	**C-000.32.440**	**C-000.32.441**	**C-000.32.442**
Set C (without S-GUARD): HRP optics with i-View on Professional L headband protective lenses 2 sterilisable swivel levers	**C-000.32.840**	**C-000.32.841**	**C-000.32.842**

▶ For details of accessories and LoupeLight2 see pages 125-127.

HEINE C2.3K binocular loupes
The cost-effective all-purpose loupe

Ideal for dental laboratories and general medical examination.

- **Crisp, clear images.** Multi-coated, scratch-resistant silica glass lenses produce crisp, clear images
- **Flexibility for precise adjustment.** Independently adjustable PD controls ensure precise alignment of the optics
- **The ideal all-purpose loupe.** The feather-light weight, low-profile design and low cost of the C2.3K loupe make it the ideal all-purpose loupe
- **Working distance.** 340 mm or 450 mm (13 or 18 inches)

Specifications	C2.3K|340 mm	C2.3K|450 mm
Magnification	2.3 x	2.3 x
Working distance	340 mm	450 mm
Field of view Ø	110 mm	130 mm
Weight	160 g	160 g
Depth of field	120 mm	190 mm

User's refractive error	Effective working distance C2.3 x|340 mm	Effective working distance C2.3 x|450 mm
+2	440 mm	670 mm
+1	390 mm	560 mm
0	340 mm	450 mm
–1	300 mm	420 mm
–2	270 mm	370 mm

Important information for those who wear glasses:
The C2.3K loupe can be worn with spectacles. Should you prefer to examine without glasses, the charts illustrate how your refractive error will affect the loupe working distance. If you are unsure of your prescription, please consult your eye care provider.

C2.3K binocular loupes

C2.3K|340 headband loupe in case	**C-000.32.230**
C2.3K|450 headband loupe in case	**C-000.32.231**

Detachable protective lenses for C2.3K to protect the optic	**C-000.32.097**

HEINE binocular loupes
Ordering information

Optics with i-View loupe mount for S-FRAME in carrying case

Working distance in mm	340 mm	420 mm	520 mm
HR 2.5 x	**C-000.32.595**	**C-000.32.596**	**C-000.32.597**
HRP 3.5 x	–	**C-000.32.720**	–
HRP 4 x	**C-000.32.721**	–	–
HRP 6 x	**C-000.32.722**	–	–

Optics with i-View and S-GUARD for Professional L headband

Working distance in mm	340 mm	420 mm	520 mm
HR 2.5 x	**C-000.32.585**	**C-000.32.586**	**C-000.32.587**
HRP 3.5 x	–	**C-000.32.710**	–
HRP 4 x	**C-000.32.711**	–	–
HRP 6 x	**C-000.32.712**	–	–

Optics with i-View for Professional L headband (without S-GUARD)

Working distance in mm	340 mm	420 mm	520 mm
HR 2.5 x	**C-000.32.733**	**C-000.32.734**	**C-000.32.735**
HRP 3.5 x	–	**C-000.32.736**	–
HRP 4 x	**C-000.32.737**	–	–
HRP 6 x	**C-000.32.738**	–	–

Accessories for HEINE binocular loupes
Ordering information

[01]

[02]

[03]

[04]

[05]

[06]

[07]

[08]

[09]

[10]

[11]

Mounting options

S-FRAME* for HR and HRP binocular loupes incl. retaining cord [01]	**C-000.32.302**
Professional L headband for HR and HRP optics [02]	**C-000.32.549**

* with protective lenses, large (lg).

Accessories for optics

HR close-up lenses in case for HR 2.5x|340mm. The close-up lenses reduce the working distance of the binocular loupes HR 2.5x|340mm to 250mm [03]	**C-000.32.523**

Protective lenses to protect the optics of the HR and the HRP loupes

protective lenses for HR loupes (5 pairs) [04]	**C-000.32.537**
protective lenses for HRP loupes [05]	**C-000.32.027**
sterilisable swivel levers for HR and HRP loupes with i-View [06]	**C-000.32.551**
carrying case for binocular loupe optics or for all sets with S-FRAME [07]	**C-000.32.552**

Carrying cases and storage cases may deviate in shape and colour.

Accessories for S-FRAME

S-FRAME retaining cord [08]	**C-000.32.305**
S-FRAME replacement part set with side rubbers, nose pad (1 piece) and screw [09]	**C-000.32.308**
clip-in correction frame for prescription lenses [10]	**C-000.32.309**
protective lenses, large (lg), 1 pair (standard) [11]	**C-000.32.306**
protective lenses, small (sm), 1 pair	**C-000.32.307**

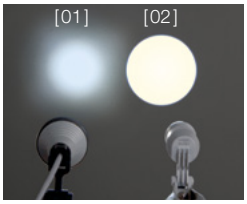
HEINE LoupeLight2
Compact LED^{HQ} headlight

- **There's LED. And there's LED^{HQ}.** HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity to dimmability, and from thermal management to a colour rendering index as high as possible. **That's what we call LED in HEINE quality – or LED^{HQ}**
- **Compact, lightweight (50 g).** Ensures perfect comfort
- **Aluminium housing.** Exclusive aluminium housing protects the optics against dust and moisture to ensure an extraordinary long lifespan and optimal thermal management
- **Coaxial illumination.** Compact coaxial design ensures a completely shadow-free image and allows for excellent illumination of difficult to see areas
- **Optional filter.** Polarisation filter P2 improves contrast and yellow filter reduces blue light
- **Replaceable connecting cord** with high-quality splashproof threaded connector with a length of 1.5 m. Connects the LoupeLight2 with the mPack mini
- **Incl. coloured attachment clips for personalisation.** To fixate the cable and to identify your LoupeLight

Technical specification

Illumination	typ. 55,000 lux*
Colour temperature	typ. 4,000 kelvin
LED operating life	typ. 50,000 hours
Spot size	the illuminated field is designed to complement the HR|HRP loupes. 81 mm Ø at 420 mm, 95 mm Ø at 520 mm working distance
Angle of declination	stepless and individually adjustable for every examination
Operating time	typ. 9 h with mPack mini (in continuous operation at full power typ. 4 hours)

*Measured at a working distance of 180 mm from the light emission to the object.



[01] Conventional system
[02] HEINE precision 4-lens system

- **Precision multiple lens optical system** consisting of four high-quality lenses. Completely homogeneous illumination of the whole field of view and a clearly defined light spot

HEINE LoupeLight2 sets
with mPack mini and E4-USB plug-in transformer

LoupeLight2 sets with HR binocular loupes

Magnification | working distance in mm	HR 2.5x|340	HR 2.5x|420	HR 2.5x|520
HR 2.5 x optics with i-View on S-FRAME and LoupeLight2 detachable yellow filter mPack mini mPack mini belt clip E4-USB plug-in transformer connecting cord protective lenses 2 sterilisable levers retaining cord, cleaning cloth, case	**C-008.32.450**	**C-008.32.451**	**C-008.32.452**

LoupeLight2 sets with HRP binocular loupes

Magnification | working distance in mm	HRP 3.5x|420	HRP 4x|340	HRP 6x|340
HRP optics with i-View on S-FRAME and LoupeLight2 detachable yellow filter mPack mini mPack mini belt clip E4-USB plug-in transformer connecting cord protective lenses 2 sterilisable levers retaining cord, cleaning cloth, case	**C-008.32.453**	**C-008.32.454**	**C-008.32.455**

Carrying cases and storage cases may deviate in shape and colour.

▶ For further information on the mPack mini, please see pages 131 and 156.

▶ Power supplies may deviate in size and shape.

HEINE LoupeLight2 and accessories
Ordering information

[01]

[02]

[03]

[04]

[05]

[06]

[07]

[08]

LoupeLight2

LoupeLight2 for HR / HRP loupes for i-View loupe mount* [01]	**C-008.32.226**
detachable yellow filter [02]	**C-000.32.241**
polarisation filter P2 for LoupeLight2 and HR loupes [03] + [04]	**C-000.32.535**
spare polarisation filter P2 for HR loupes (2 pairs) [04]	**C-000.32.536**
connecting cord SC1 (1.5 m | Ø 2.4 mm) for LoupeLight2 | mPack mini [05]	**C-000.32.240**
connecting cord SC2 (1.5 m | Ø 3.2 mm) for LoupeLight2 | mPack mini [06]	**C-000.32.243**

LoupeLight2 with power source for i-View loupe mount (HR\|HRP)

LoupeLight2 with mPack mini and E4-USB plug-in transformer* [07]	**C-008.32.265**
mPack mini belt clip [08]	**X-000.99.006**

*Not suitable for HR | HRP loupes with a rigid loupe mount.

HEINE mPack mini
Compact and lightweight power source
for LoupeLight2 | MicroLight2

- **Operating time typ. 9 hours.** In continuous operation at full power typ. 4 hours
- **Charging time typ. 4 hours**
- **Compact and lightweight.** With a weight of just 95 g and dimensions of 44 x 23 x 101 mm the power source can be easily stowed

HEINE – Simply the best guarantee in the market!

HEINE offers you a guarantee which reflects the quality and reliability of our products.
All products conform to the European Directive 93/42/EEC or the Medical Devices Regulation (MDR) concerning medical devices. They carry the CE mark.

STANDARD 5 YEAR PARTS AND LABOR GUARANTEE

All HEINE products carry a 5 year parts and labor guarantee against defects in design, materials and workmanship.* Excluded from this are wear and tear, single-use items and consumables as well as rechargeable batteries and exposed and accessible control and supply cables with corresponding plug connection. For details please visit www.heine.com

PRODUCT-RELATED GUARANTEE CONDITIONS:

- HEINE iC1 dermatoscope
  HEINE grants a 5 year guarantee only if the product has been purchased through an authorized dealer and is registered within 6 months from the date of purchase. To register please go here www.heine.com/register. The guarantee provides coverage against defects in design, materials and workmanship. Rechargeable battery and mobile phone case are not included in this guarantee.

- HEINE fiber optic laryngoscopes
  HEINE Classic+ F.O. laryngoscope blades have an extended guarantee of 10 years on the faultlessness from material, processing and construction defects, for blades manufactured on or after 01/01/2020 or with serial number SN1105228000 or higher. The 10-year guarantee ensures that output will not fall below 1,000 lux, even after repeated autoclave cycles (based on 4,000 cycles at 134 °C / 4 min.) The guarantee covers HEINE Classic+ laryngoscope blades which are cleaned, disinfected and/or sterilised in accordance with the instructions for reprocessing. HEINE Classic+ F.O. laryngoscope blades manufactured prior to 01/01/2020 and FlexTip+ blades are subject to the same guarantee conditions provided above, with a 5-year guarantee period.

- HEINE GAMMA G-series
  HEINE GAMMA G7 and HEINE GAMMA XXL LF sphygmomanometers carry an extended guarantee of 10 years for the faultlessness from material, processing and construction defects. Wear parts and metrological control are not included.

- *HEINE Cube
  For the Cube HEINE grants a guarantee of 2 years.

- *HEINE visionPRO video laryngoscope
  For the HEINE visionPRO video laryngoscope HEINE grants a guarantee of 2 years.