

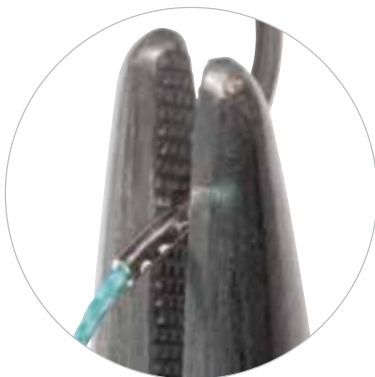
HEINE binocular loupes set standards for innovative optics combined with high-tech materials and production techniques. A wide range of applications in many disciplines: General Medicine, Dermatology, minor and some major Surgery, Plastic Surgery, Neuro-Surgery, ENT, Ophthalmology, Veterinary Medicine, Dentistry etc. The use of magnifying loupes will increase your visual acuity and reduce eye strain. Careful selection of working distance and correct viewing angle will avoid back and neck strain by allowing a comfortable working position.

**Three easy steps to select your HEINE binocular loupe:**

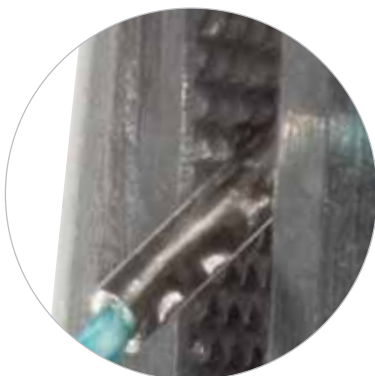
1. Simply select the lowest magnification that will meet your needs. The lower the magnification, the larger the field of view, and the easier the loupe will be to use.
2. Then determine your working distance, which will also automatically determine your field of view. To determine your working distance assume a comfortable, posture-correct position for the intended loupe application and determine the distance between your eyes and your working area. Using the chart below, match this distance with the nearest nominal working distance option shown beside the magnification you chose. Note: The closer the loupes are to the eyes, the larger the field-of-view.
3. Finally, select your preferred mounting option, Spectacle Frame or Headband. All options offer the user flexibility and adaptability for precise optical position, alignment and performance.



without magnification



2.5 x/340mm, field of view 90 mm  
(field of view up to 180mm)



6x/340mm, field of view 40mm

**HEINE Binocular Loupes: Specifications**

Magnification	Nominal Working distance	Field of view**	Depth of field*
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**HR: Recommended for general medicine, minor surgery and hygienists.**

2x	250mm	90mm	80mm
2x	340mm	130mm	130mm
2x	420mm	190mm	200mm
2x	520mm	250mm	290mm

**HR: Recommended for surgical and dental use.**

2.5x	250mm	60mm	60mm
2.5x	340mm	90mm	110mm
2.5x	420mm	130mm	180mm
2.5x	520mm	180mm	260mm

**HRP: Recommended for micro-surgery for experienced loupe-users.**

3.5x	420mm	65mm	60mm
4x	340mm	50mm	40mm
6x	340mm	40mm	30mm

**HR-C: An ultra-compact alternative to the HR 2.5x Binocular Loupe for general use in surgical and dental applications.**

2.5x	340mm	60mm	110mm
2.5x	420mm	70mm	140mm

**C 2.3: Recommended for dental laboratories.**

2.3x	340mm	110mm	120mm
2.3x	450mm	130mm	190mm

\* Depth of field or "working distance range" for normal-sighted or corrected eyes with normal ability to accommodate, well-lit object.

\*\* At nominal working distance.



## HEINE S-Frame® spectacle frame / S-Guard® splash protection

### Perfect for HR, HRP, HR-C Binocular Loupes



↳ Exceptionally light

↳ Fits any shape of head or face

↳ Flip-up control for optics

The HEINE S-Frame® is a truly exceptional spectacle frame: Virtually all of its parameters can be customized – making it the perfect fit for any head or face shape. It is ultra-light, pleasant to wear and can be combined with all new HR, HRP and HR-C Binocular Loupes. In the S-Guard version with splash protection goggles the S-Frame can be used with Professional L and Lightweight headbands.

- ↳ **Maximum comfort thanks to a modern, ergonomic design.** Attractive spectacles that fit any shape of head or face perfectly for maximum wearer comfort. No pressure points, pinching or slipping of the frame
- ↳ **Customizable.** Mouldable in all directions, the adjustable temples made from KYNETIUM™ come with an anti-slip surface. Flexible adjustable nose pads with silicone overlay for maximum comfort and superlative stability. The nose pad is made from skin-friendly silicone and fits all nose and face shapes. It also prevents the spectacles from slipping.
- ↳ **Low weight (24 g).** Thanks to the use of high-tech materials.
- ↳ **State-of-the-art technologies and innovative materials.** The carbon frame, S-Frame temples made from aluminium alloy (KYNETIUM™) and magnesium result in a light weight while silicone ensures superb elasticity and titanium gives greater resilience.
- ↳ **Durable polycarbonate safety glass.** The protective lenses offer superlative splash protection, even when combined with a headband. The interchangeable lenses are available in two different sizes. They are scratch-resistant and provide excellent visual sharpness. Small protective lenses are also available.
- ↳ **Allows the use of prescription lenses.** Optional correction frames are also available for prescription lenses. Simple “ClipOn” attachment.
- ↳ **Flip-up control for optics.** The optics can be easily flipped up and down into the visual axis. The binocular Loupe mount is compatible with all HR 2.5x/HRP and HR-C Binocular Loupes.
- ↳ **Extensive accessories.** Lenses, cleaning fluid, nose pads, spare parts kit.

<b>S-Frame*</b> for HR 2.5x-, HRP-, HR-C Binocular Loupes incl. retaining cord and cleaning fluid	<b>C-000.32.302</b>
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<b>S-Frame*</b> for SIGMA 150 and 150M2 Indirect Ophthalmoscope incl. retaining cord and cleaning fluid	<b>C-000.33.036</b>
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\* with protective lenses, large (lg).

## HEINE i-View®/ swivelling loupe

### for S-Frame [01] and Headband Professional L [02] \*



The i-View provides precise, individual adjustment of the loupes for pupillary distance and the viewing angle combined with the ideal distance between the optics and the examiner's eyes. This ensures a comfortable, ergonomic posture and avoids fatigue.

An optional LED LoupeLight mounts directly onto the loupe mount. The LoupeLight and the loupe mount are independently adjustable.

For examination without magnification the binocular loupe can be swivelled upwards out of the line of sight without affecting the initial adjustment. If a LoupeLight is fitted, the light spot stays in position. The binocular loupe returns to exactly the same position when required.

Sterilisable swivel levers are available see page 109.

\* Except HR 2x/HR-C Binocular Loupes.

## HEINE HR® Binocular Loupes

### HR Technology for an even bigger field of view

HR Binocular Loupes with either 2x or 2.5x magnification are particularly recommended for **dental surgery and endodontics**.



∴ Eyepieces individually-adjustable

∴ Crisp, clear images

∴ Bigger field of view

- ∴ **The Brightest Image.** Our exclusive coating technology reduces light reflection to 0.3%, providing the brightest image of any comparable loupe.
- ∴ **The Crispest Image with Colour Correction.** State-of-the-art HEINE optics with achromatic lenses provide a standard for image clarity, crispness and colour compared with conventional Galilean loupes.
- ∴ **Super-Wide, Super-Deep Field of View.** Improvements in our HR (High Resolution) optical technology provide a super-wide, fully-useable, distortion-free field of view (up to 250mm) and the greatest depth of field (up to 290mm) to eliminate eye strain even over extended periods of use.
- ∴ **Dust- and Water-Resistant.** All HR loupes are dust- and water-resistant to IP65/IEC 60529 (2000) to ensure ease of cleaning/disinfection, and years of trouble-free use.
- ∴ **Flexibility for Precise Adjustment.** HEINE binocular loupes have independently adjustable optics left and right to select the exact inter-pupillary distance (PD). Conventional designs using a single adjuster are always a compromise. HR loupes can be adjusted precisely for each user for optimum optical performance by means of an exceptionally-wide range of mounting positions on either frame or headband.
- ∴ **Super Light.** HR optics weigh only 42 grams for user-comfort even over extended periods.

∴ **2x Magnification:** Ideal for dental applications and general surgery, the 2x loupes provide our largest field of view and the best depth of field to ensure the image is in focus over an exceptionally-wide range. **Ideal for hygienists and dental surgical procedures. HR 2x loupes are mounted onto lightweight, rigid loupe mount which can be swivelled upwards out of the line of sight.**

∴ **2.5x Magnification:** The increase in magnification over 2x is greater than the figures suggest. HR 2.5x loupes offer an excellent balance between high magnification, field of view, depth of field, and ease of use. The 2.5x loupes are ideal for a wide range of applications such as dental, ophthalmic, cosmetic and reconstructive surgery. The HR 2.5x is our most popular model. **Ideal for surgery and dental surgical procedures.**

#### Specifications

Magnification	2x	2x	2x	2x 340mm
Nominal working distance	340mm	420mm	520mm	250mm*
Field of view dia.	> 130mm	> 190mm	> 250mm	> 90mm
Depth of Field	130mm	200mm	290mm	80mm

Magnification	2.5x	2.5x	2.5x	2.5x 340mm
Nominal working distance	340mm	420mm	520mm	250mm*
Field of view dia.	> 90mm	> 130mm	> 180mm	> 60mm
Depth of Field	110mm	180mm	260mm	60mm

\* with close-up lenses

#### Wearing modes:

- ∴ **HEINE S-Frame®:** Innovative spectacle frame for HR 2.5x, HRP, HR-C Binocular Loupes. Appealing and functional design. Can be customized to fit any shape of head and face.
- ∴ **HEINE S-Guard®**  
Professional L headband with the S-Guard splash protection. Rapid and simple adjustment of binocular loupes on the headband with the S-Guard splash protection. Once set, the binocular loupe always stays in the ideal position. The fixed position of the binocular loupes on the S-Guard splash protection and the rigid connection between the headband and the nose pad ensure that the binocular loupes do not slip





HEINE HR® Binocular Loupe Sets



Set A



Set B



Set C

**Set A Contents:**

Optics, **S-Frame with rigid loupe-carrier for HR 2x or S-Frame with i-View loupe mount for HR 2.5x loupes (with i-View for S-Frame)**, detachable protective lenses, 2 sterilisable swivel levers, retaining cord, cleaning fluid, carrying case.

**Set B Contents:**

Optics, **Professional L Headband with i-View loupe-carrier** for the professional L headband, S-Guard splash protection\*, detachable protective lenses, 2 sterilisable swivel levers, cleaning fluid.

**Set C Contents:**

Optics, **S-Frame with i-View loupe-carrier**, detachable protective lenses, 2 sterilisable swivel levers, retaining cord, cleaning fluid, carrying case, **LED LoupeLight, mPack LL, EN50.**

\* with protective lenses, large (lg).

**Binocular Loupe Sets with 2x magnification.** Ideal for general medicine, minor surgery and hygienists.

Set-Configuration	Working-distance 340 mm	Working-distance 420 mm	Working-distance 520 mm
A - with rigid loupe-carrier	C-000.32.325	C-000.32.322	C-000.32.326
Optics only (in case) [01]	C-000.32.505	C-000.32.502	C-000.32.506

**HR Binocular Loupes with 2.5 x magnification with i-View.** Ideal for surgical and dental use.



[01]



[02]



[03]

Set-Configuration	Working-distance 340 mm	Working-distance 420 mm	Working-distance 520 mm
A - with i-View	C-000.32.355	C-000.32.356	C-000.32.567
B	C-000.32.365	C-000.32.366	C-000.32.367
C	C-008.32.355	C-008.32.356	C-008.32.357
Optics only with i-View for S-Frame [02] (in case)	C-000.32.595	C-000.32.596	C-000.32.597
Optics only with i-View for Headband Professional L [03]	C-000.32.585	C-000.32.586	C-000.32.587

For further informations on the LED LoupeLight, mPack LL and EN50 see pages 110, 125 and 126.

## HEINE HRP® Binocular Loupes

### HRP Technology for highly-magnified crisp images



- ∴ Ultra light S-Frame
- ∴ Eyepieces individually-adjustable
- ∴ Crisp, clear images
- ∴ High magnification

HRP Binocular Loupes of 3.5x magnification or higher are recommended for fine surgical procedures where high magnification is necessary, for example in endodontal, vascular, neuro, and intricate orthopedic surgery and for experienced users. HRP loupes have been designed to provide the largest field of view and best depth of field possible for each magnification. Please note that the field of view and depth of field will decrease as magnification increases making higher-magnification loupes more difficult to get accustomed to.

- ∴ **Prismatic Optics.** Only top-quality, precision glass prisms are used to provide the highest resolution and clearest, crispest images over the entire field of view “edge-to-edge”.
- ∴ **The Brightest Image in Perfect Colour.** Our exclusive coating technology reduces light reflection to 0.3% allowing for optimum light transmission, and ensuring perfect colour reproduction for brilliant, 3-dimensional images.
- ∴ **Compact Design.** Although the higher magnification requires a more complex design, the weight of the HRP loupes has been minimized. The 3.5x and 4x optics weigh only 78 g, the 6x weighs only 89 g. The headband mounting option is an ideal way to eliminate any weight concerns for those users not accustomed to wearing any type of glasses or spectacles.
- ∴ **Dust- and Water-Resistant.** All HRP loupes are dust- and water-resistant to IP65/IEC 60529 (2000) to ensure ease of cleaning/disinfection, and years of trouble-free use.
- ∴ **Flexibility for Precise Adjustment.** HRP loupes have independently-adjustable optics for selecting the exact inter-pupillary distance (PD). HRP loupes can be adjusted precisely for each user for optimum optical performance by means of a range of different mounting positions on either frame or headband.
- ∴ **Field of View at High Magnification.** Advanced optical design ensures a wide field of view and a great depth of field even at high magnification, avoiding eye strain over extended periods of use.
- ∴ **3.5x Magnification:** 3.5x magnification makes the HRP 3.5x loupes ideal for intricate surgical procedures, while still giving an excellent field of view and good depth of focus. The 420mm working distance is best suited for applications where the **user is standing up.**
- ∴ **4.0x Magnification:** 4.0x loupes provide magnification for most advanced **micro-surgical and dental applications** yet still offer a large 50mm field of view. The 340mm working distance is ideal for applications where the user is in a sitting position.
- ∴ **6.0x Magnification:** Here the focus is on maximum magnification, with a 40mm field of view. The 340mm working distance is ideal for applications where the user is in **a stable, sitting position.**

Specifications			
Magnification	<b>3.5x</b>	<b>4x</b>	<b>6x</b>
Nominal working distance	420 mm	340mm	340 mm
Field of view dia.	>65 mm	> 50 mm	>40 mm
Depth of Field	60 mm	40 mm	30 mm

#### Wearing modes:

- ∴ **HEINE S-Frame®:** Innovative spectacle frame for HR 2.5x, HRP, HR-C Binocular Loupes. Appealing and functional design. Can be customized to fit any shape of head and face.
- ∴ **HEINE S-Guard®**  
Professional L headband with the S-Guard splash protection. Rapid and simple adjustment of binocular loupes on the headband with the S-Guard splash protection. Once set, the binocular loupe always stays in the ideal position. The fixed position of the binocular loupes on the S-Guard splash protection and the rigid connection between the headband and the nose pad ensure that the binocular loupes do not slip once their position has been set. The ergonomic nose pad also ensures a comfortable and secure position for the binocular loupe.





HEINE HRP® Binocular Loupe Sets



Set A

**Set A Contents:**

Optics, **S-Frame\*** with **i-View loupe-carrier for S-Frame**, detachable protective lenses, 2 sterilisable swivel levers, retaining cord, cleaning fluid, carrying case.



Set B

**Set B Contents:**

Optics, **Professional L Headband with i-View loupe-carrier for Headband Professional L**, S-Guard splash protection\*, detachable protective lenses, 2 sterilisable swivel levers, cleaning fluid.



Set C

**Set C Contents:**

Optics, **S-Frame\*** with **i-View loupe-carrier for S-Frame**, detachable protective lenses, 2 sterilisable swivel levers, retaining cord, cleaning fluid, carrying case, **LED LoupeLight, mPack LL, EN50.**

\* with protective lenses, large (lg).

Binocular Loupes with 3,5x / 4x / 6x magnification

Set-Configuration	Magnification / Working distance		
	3,5x/420 mm	4x/340 mm	6x/340 mm
A	C-000.32.430	C-000.32.431	C-000.32.432
B	C-000.32.440	C-000.32.441	C-000.32.442
C	C-008.32.430	C-008.32.431	C-008.32.432
Optics only with i-View for S-Frame [01] (in case)	C-000.32.720	C-000.32.721	C-000.32.722
Optics only with i-View for Headband Prof. L [02]	C-000.32.710	C-000.32.711	C-000.32.712



For further information on the LED LoupeLight, mPack LL and EN50 see pages 110, 125 and 126.



[01]



[02]

## HEINE HR-C® Binocular Loupes

### Super-compact and lightweight Binocular Loupe

Particularly recommended for general dental use and surgery.



∴ Eyepieces individually-adjustable

∴ Exceptionally light

- ∴ **Colour Correction and excellent Depth of Focus.** HR (high resolution) – chromatic optics with exclusive multi-coating technology for the brightest, crispest images.
- ∴ **Super Light Weight (48g including frame).** Greatest user-comfort over extended periods.
- ∴ **Modern, Compact Design.** The advanced, compact, and functional design makes it easy to look past the optics when an unmagnified view is preferred.
- ∴ **Precise Optical Adjustment.** HEINE binocular loupes have independently-adjustable optics left and right to adjust the exact inter-pupillary distance (PD), and a 3-link adjustable mounting arm.
- ∴ **Water- and Dust-Resistant.** The loupes are water and dust resistant according to [IP65/IEC 60529 (2000)], ensuring ease of cleaning/disinfection.

Specifications	HR-C 2.5x/340mm	HR-C 2.5x/420mm
Magnification	2.5x	2.5x
Working distance	340mm	420mm
Field of view dia.	60mm	70mm
Weight with frame	48g	48g
Depth of Field	110mm	140mm



### HR-C Binocular Loupe Sets with S-Frame

incl. 2 sterilisable swivel levers, retaining cord and cleaning fluid

Set-Configuration	Working-distance 340mm	Working-distance 420mm
with S-Frame in case	<b>C-000.32.290</b>	<b>C-000.32.291</b>
Optics (only), in case	<b>C-000.32.265</b>	<b>C-000.32.266</b>
Case	<b>C-000.32.552</b>	



- ∴ **HEINE S-Frame®:** Innovative spectacle frame for HR-C Binocular Loupes. Appealing and functional design. Can be customized to fit any shape of head and face.



### Accessories for HEINE S-Frame® / HEINE S-Guard®



<b>S-Frame retaining cord</b>	<b>C-000.32.305</b>
<b>S-Frame replacement part set</b> with side rubbers, nose pad (1 piece) and screw	<b>C-000.32.308</b>
<b>Correction frame</b> for corrective lenses	<b>C-000.32.309</b>
<b>Protective lenses, large (lg), 1 pair</b>	<b>C-000.32.306</b>
<b>Protective lenses, small (sm), 1 pair</b>	<b>C-000.32.307</b>
<b>Cleaning fluid for lenses, pack of 2</b>	<b>C-000.32.542</b>

### Headbands for HEINE HR®, HRP® and HR-C® Binocular Loupes



#### Professional L Headband

Highly-recommended for HRP and HR 2.5x prismatic loupes. Adjustable for height and width so that a comfortable fit is always assured. In this way the headband can be customized to fit one or more users perfectly.

- ∴ **Optics** can be swung out of the line of sight and returned to the original position in one easy movement.
- ∴ **Lets you combine the magnification optics** with your own glasses if preferred.
- ∴ **Comfortable head cushions front and back.** Fits any head shape.
- ∴ **Elongated optics mount for increased downward viewing angle (as far as 30°).** Ergonomic, upright posture for the examiner.

#### Professional Headband L

(without optics/without S-Guard splash protection)

**C-000.32.549**



#### Lightweight Headband

HEINE Lightweight Headband suitable for HR 2x and HR-C loupes. Weighs only 160g.

- ∴ **Adjustable optics** can be swivelled out of the line of sight.
- ∴ **Optics can be combined with your own glasses if preferred.**
- ∴ **Adjustable for width.**
- ∴ **Soft rubber headband for maximum comfort.**

#### Lightweight Headband

(without optics/without S-Guard splash protection)

**C-000.32.516**

Accessories for HEINE HR®, HRP® and HR-C Binocular Loupes



**Universal Clip** for HR 2x and HR-C Binocular Loupes

Fits any spectacles.  
Can be used by various examiners.

**C-000.32.518**

**Close-up Lenses** for HR Binocular Loupes

These give a working distance of 250 mm with the HR 2x/340mm and the 2.5x/340mm. A simple push – fit to the standard optics.

for HR 2x/340mm

**C-000.32.521**

for HR 2.5x/340mm

**C-000.32.523**

**Detachable Protective Lenses**

to protect the optics of the HR Binocular Loupes (5 pair).

**C-000.32.537**

to protect the optics of the HRP Binocular Loupes.

**C-000.32.027**

**Sterilisable Swivel Levers**

The examiner can adjust the angle of the optics without touching them. (2 pieces)

**For HR2x/HR-C Binocular loupes (for the rigid loupe-carrier)**

**C-000.32.524**

**For HR 2.5x/HRP Binocular loupes**

**(for i-View for S-Frame/Professional L Headband) (5 pieces)**

**C-000.32.551**

**For C 2.3K Binocular Loupes (not shown)**

**C-000.32.299**

**Case**

For Binocular Loupe-Sets A/C and HR-C

**C-000.32.552**

HEINE Dental Adaptor for a viewing direction from 0 to 35°



Angle of declination without adaptor up to 20°



Angle of declination with adaptor up to 35°

Only for HR 2x and HR-C Binocular Loupes.

The angle at which your loupe optics are mounted to the frame is variable. The preferred viewing angle, or angle of declination is extremely important in preventing neck and back strain due to poor posture.

- ∴ **The standard mounting system** offers a maximum angle of declination of 20 degrees to reduce back and neck strain in most applications.
- ∴ **With the optional Dental Adaptor** the maximum angle of declination is increased to 35 degrees.

Dental Adaptor

**C-000.32.528**



## HEINE LED LoupeLight®

### Compact LED LoupeLight, ideal for ENT and dental use



- ⚡ Light
- ☀️ Coaxial shadowless illumination
- 💡 40.000 Lux / 25cm distance

- ⚡ **Advanced LED Technology.** White, homogenous light, ideal for all surgical and dental applications.
- ☀️ **Coaxial Illumination.** Shadow-free illumination of cavities, ideal for ENT and dental applications. Ideal co-axial viewing with all HR/HRP loupes.
- 💡 **Homogenous illumination of the whole field of view.** The light spot is ideal for HR/HRP loupe systems. Approximately 81 mm illumination field at 420mm, approx. 95 mm at 500mm working distance.
- ⚡ **Compact, lightweight (24 g).** Ensures perfect comfort.
- 🏠 **Aluminium housing.** Robust, long lasting.
- 🧼 **Waterproof design.** Easy to clean.
- 🔋 **Fully-portable with mPack LL.** Autonomy at least 17 hours.
- 📐 **Individual adjustment of the angle of view.** The right angle for every situation.
- 🛡️ **Optional yellow filter reduces blue light.** Avoids premature hardening of composites.
- 📜 **Registered Design.**

#### Technical Specification

Illumination	<b>40.000 Lux</b> at a working distance of 250 mm
Colour Temperature	Reference Colour Temperature of <b>6,250 Kelvin</b>
LED Operating Life	1W Super-High Output LED rated at <b>50,000 hours operating life</b>
Spot Adjustment	The illuminated field is ideally-suited to the HR/HRP loupes. Approx. 81 mm at 420mm, approx. 95 mm at 500mm
Angle of Declination	Individually-adjustable for every examination
Optics	Top-quality, multi-coated achromatic optics produce a clearly defined light spot
Operating Time	mPack LL provides 17 hours of light at maximum brightness
Power Source	mPack LL

#### LED Loupe Light

for HR 2.5x und HRP Binocular Loupes [01] for i-View loupe mount	<b>C-008.32.236</b>
for HR 2x und HR-C Binocular Loupes [02] for rigid loupe mount	<b>C-008.32.238</b>
Detachable yellow filter (optional)	<b>C-000.38.241</b>

#### LED LoupeLight sets for HR/HRP/HR-C Binocular Loupes

**Set A:** LED LoupeLight with mPack LL and EN50

**Set B:** LED LoupeLight with mPack LL and plug in transformer



Set-Configuration for:	HR 2.5x/ HRP Binocular Loupes	HR 2x/ HR-C Binocular Loupes
A	<b>C-008.32.375</b>	<b>C-008.32.376</b>
B	<b>C-008.32.378</b>	<b>C-008.32.379</b>

## HEINE C 2.3® Binocular Loupes

### The cost-effective all-purpose loupe

Ideal for dental laboratories and general medical examination.



C 2.3

- ∴ **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.
- ∴ **Low profile design.** Compact, low profile optics allow the user to easily look over the loupes for non-magnified view.
- ∴ **Super lightweight and comfortable – only 46g.** Flexible coil temples wrap-around to fit the users anatomy securely and comfortably. Spring-loaded temples will adjust to the user's anatomy. Lightweight metal frame.
- ∴ **The ideal all-purpose loupe.** The feather-light weight, low-profile design and low cost of the C 2.3 loupe make it the ideal all-purpose loupe.
- ∴ **Working distance.** 340 mm or 450 mm (13 or 18 inches).



C 2.3K

Specifications	C 2.3x/340 mm	C 2.3x/450 mm
Magnification	2.3x	2.3x
Working distance	340 mm	450 mm
Field of view dia.	110 mm	130 mm
Weight	46 g	46 g
Depth of Field	120 mm	190 mm

User's refractive error	Effective working distance C 2.3x/340 mm	Effective working distance C 2.3x/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 C 2.3K Series loupe can also be worn without the use of 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.

#### C 2.3/C 2.3K Binocular Loupes

C 2.3/340 Loupe in case	<b>C-000.32.039</b>
C 2.3/450 Loupe in case	<b>C-000.32.202</b>
C 2.3K/340 Headband loupe in case	<b>C-000.32.230</b>
C 2.3K/450 Headband loupe in case	<b>C-000.32.231</b>

### Accessories



C 2.3/C 2.3K Binocular Loupe Accessories	
Protective case for the C 2.3 loupes and accessories	<b>C-000.32.038</b>
Detachable protective lenses for C 2.3 and C 2.3K. To protect the optics of the C 2.3 and C 2.3K loupes. Can be sterilized by conventional methods	<b>C-000.32.097</b>