



## CONTACT & MAGNIFYING GLASSES

Discover a different world

**Tradition and innovation** – Since 1858, visionary thinking and a fascination with technology have guided us to develop innovative products of outstanding reliability: Anticipating trends to improve the quality of life.



## Haag-Streit Contact Glasses

# For absolute certainty – don't go for less than a Haag-Streit product

The range of Haag-Streit contact glasses were developed largely in conjunction with Prof. Goldmann and are designed for an optimal examination of the eye with the slit lamp. They are valuable diagnostic accessories which have proven use in ophthalmic clinical practice and research.

Used in conjunction with a slit lamp, they facilitate a binocular observation of the entire eye, often under unfavourable conditions such as cloudy media or small pupils. For decades, original Goldmann contact glasses have satisfied the Ophthalmologist's demands for quality all over the world – and they still do.

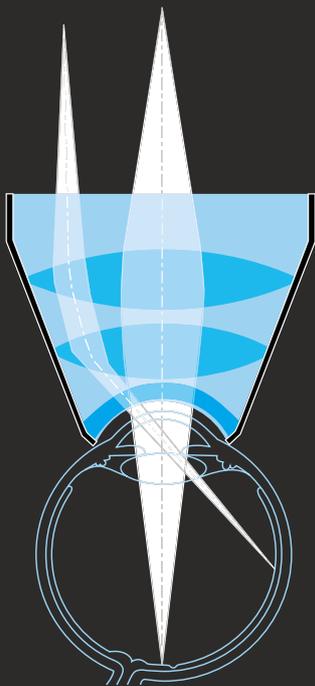
# Retina 145 L

## Expands your horizons

The Retina 145 L contact glass is a panfundus wide-angle contact glass designed to facilitate the diagnosis and treatment of the retina as far as the equator. With an image magnification of 0.7x, this contact glass allows for a highly detailed assessment of even subtle changes in the fundus.

This glass offers an outstanding quality 145° view – yet simultaneously maintains a good depth of vision. The Retina 145 L may be used with all lasers which operate within the 450nm to 650nm bandwidths.

Additionally this glass can be used with Stery Cup – best to prevent the transfer of prions between patients.



# Diagnostic Contact Glasses Original Goldmann

The established Goldmann contact glass series for examination of the entire ocular fundus and the iridocorneal angle. When referred to, these glasses are also available with scleral flange (S). All Goldmann three mirror contact glasses are available also with lumenized-coated protective glass (L), designed to work with argon/YAG lasers.

## THREE MIRROR CONTACT GLASS 903, 903 S AND 903 L

The classic Goldmann Glass. Additionally 903 and 903 L can be used with Stery Cup – best to prevent the transfer of prions between patients.

## THREE MIRROR CONTACT GLASS 906, 906 S AND 906 L

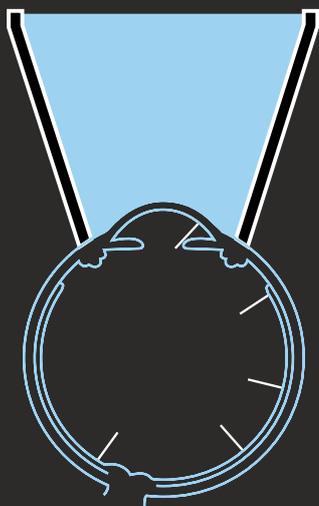
For newly born children. 10 mm internal diameter of the cornea part.

## THREE MIRROR CONTACT GLASS 907, 907 S AND 907 L

For children up to 4 years of age. 11 mm internal diameter of the cornea part.

## THREE MIRROR CONTACT GLASS 630 AND 630 L

For use with slit lamps which have a smaller distance between the eye and the reduction prism than the Haag-Streit 900 series.



#### FUNDUS CONTACT GLASS 901

For the binocular slit observation of the pupil, the macula, its surroundings out to 30° as well as the central vitreous body sections. Easy to use, lightweight glass provides a direct image.

#### ONE MIRROR GLAUCOMA CONTACT GLASS 902 AND 902 S

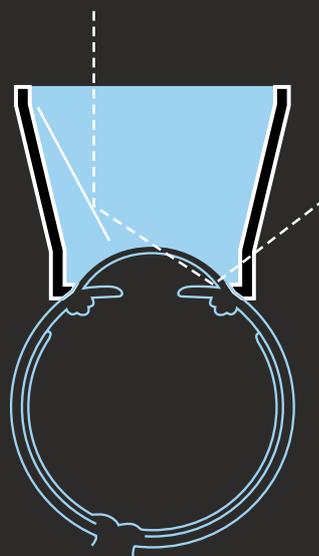
For the examination of the anatomical conditions in the area of the front of the iris. The expanse and form of the iridocorneal angle can only be ascertained by employing a narrow slit beam. Haag-Streit slit lamps with their swivelling and declinable illumination are primarily capable of providing an assessment of the expanse of the entire angle of the iris, which is of special importance in glaucoma diagnostics.

#### TWO MIRROR CONTACT GLASS 905 AND 905 S

Two mirrored surfaces, which each incline at an angle of 62° towards the front surface, have been cut into the 17 mm long glass cone. This makes it possible to examine the opposite iridocorneal angle without turning the contact glass. The expanse and form of the angle of the iris can be correctly ascertained by using a narrow slit on the slit lamp.

#### ONE MIRROR ORA SERRATA CONTACT GLASS 904

This contact glass serves to examine the ora serrata, the pars plana and the extreme peripheral parts of the vitreous body and the ocular fundus.



# Laser Contact Glasses For optimal laser treatment

The Laser contact glasses were developed together with leading ophthalmologists for diagnosis and laser treatment of the angle, of the iris and the ocular fundus of the eye with the slit lamp.

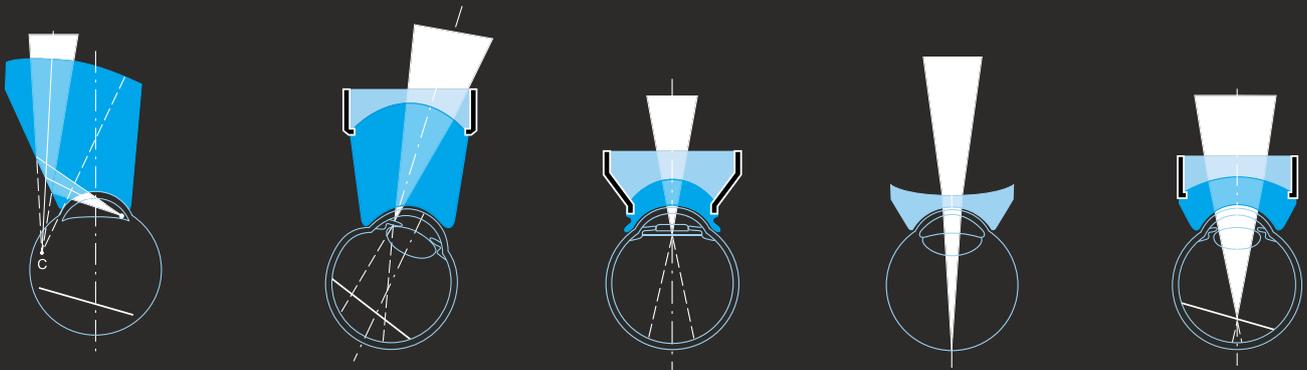
The CGAL gonioscopic contact glass was designed by Roussel and Fankhauser for laser treatments of the chamber angle. It reduces the laser spot by a factor of 1.5 as compared to a Goldmann Glass.

The CGIL iridectomy contact glass was designed by Riquin, Fankhauser et al. to perform full thickness peripheral laser iridectomies.

The CGPL capsulotomy contact glass was designed by Riquin, Fankhauser et al. for the dissection of opacified posterior glass capsules and membranes in the pupillary and retropupillary space with the YAG laser.

The CGRL is a wide angle contact glass designed for laser photocoagulation and diagnosis of the retina.

The CGVL vitrectomy contact glass was designed by Rol, Fankhauser et al. for photodisruptive YAG laser procedures in the posterior vitreous.



LASER CONTACT GLASSES CGAL / CGI L / CGPL / CGRL / CGV L

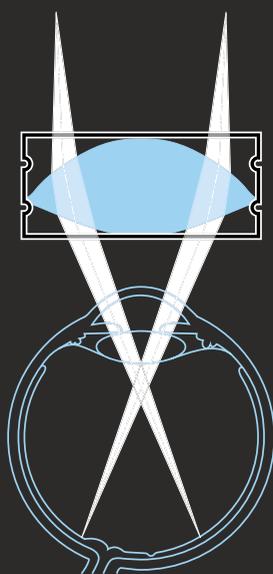
# Haag-Streit 81 D glass

## Experience a breathtaking view

The Haag-Streit 81 D glass is a powerful tool for biomicroscopy as well as laser treatment (wavelength of 450 to 650 nm) of the fundus. Thanks to its asymmetric configuration the image reproduction quality of the glass is optimized and additionally the need for pupil dilation is reduced.

Using the glass with the steeply curved surface towards the patient's cornea gives the impression of an image, similar to a 90 D lens – with the steeply curved surface away from the patient's cornea, the impression is similar to the image of a 78 D lens.

- Increased depth information thanks to optimized initial axial and lateral magnification
- Ability to observe through narrow pupils with increased field of view
- Increased working distance – therefore less possibility of accidentally touching the eye

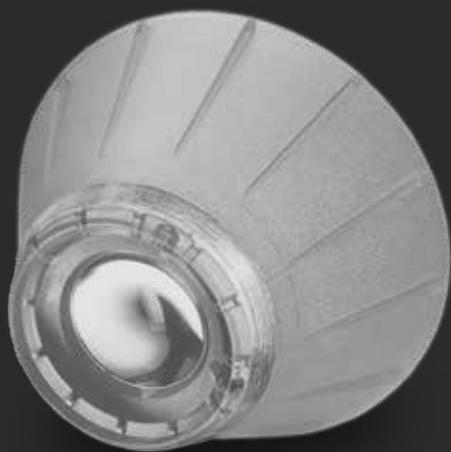


# Stery cup

## Simple and efficient means against bugs

Stery Cup is a disposable shield for use with the Haag-Streit 903 and 903 L 3-Mirror contact glasses, and with the Haag-Streit Retina 145 L contact glass. The optically neutral, sterile and individually wrapped cups are designed for single use and significantly reduce the risk of bacterial transfer.

Furthermore the risk of damage to patients' cornea is reduced as the contact glass can be rotated inside the cup. Stery Cup can also increase the life of the contact glasses due to a reduction in the number of disinfection processes required.



# Product overview

Model	Scleral flange (S)	Laser * (L)	Mirror	Area	Magnification	Magnification laser spot on retina	Field of vision	Mirror angle	Ball radius [mm]	ø Contact [mm]	ø Exterior contact [mm]	Height [mm]	Weight [g]	Argon/diode/YAG 532/ YAG 450 nm – 650 nm/1064 nm	Argon/diode/YAG 532/ 450 nm – 650 nm	Argon/diode/YAG 532/ 450 nm – 810 nm	Stery Cup
630	-	-	3	Fundus/iridocornea (short)	0.91x	-	-	59°/66°/73°	7.4	12	18	25.3	10.6	-	-	-	-
630 L	-	■	3	Fundus/iridocornea (short)	0.91x	1.1	-	59°/66°/73°	7.4	12	18	25.8	11	■	-	-	-
901	-	-	direct	Fundus	0.96x	-	30°	-	7.4	12	15.5	12.8	1.5	-	-	-	-
902	-	-	1	Gonio	-	-	-	62°	7.4	12	15.5	21.7	4.2	-	-	-	-
902 S	■	-	1	Gonio	-	-	-	62°	7.4	12	20	24	5.8	-	-	-	-
903	-	-	3	Fundus/iridocornea	0.91x	1.1	-	59°/66°/73°	7.4	12	18.3	32	19	-	-	-	■
903 L	-	■	3	Fundus/iridocornea	0.91x	-	-	59°/66°/73°	7.4	12	18.3	32.5	20.2	■	-	-	■
903 S	■	-	3	Fundus/iridocornea	0.91x	-	-	59°/66°/73°	7.4	12	20.5	33.5	19.6	-	-	-	-
904	-	-	1	Ora serrata	-	-	-	62°	7.4	12	22	32.6	35.2	-	-	-	-
905	-	-	2	Gonio	-	-	-	62°/62°	7.4	12	15.5	21.7	5	-	-	-	-
905 S	■	-	2	Gonio	-	-	-	62°/62°	7.4	12	20	24	5.8	-	-	-	-
906	-	-	3	Fundus/iridocornea (Baby)	-	-	-	59°/66°/73°	7	10	15.4	28	12.2	-	-	-	-
906 L	-	■	3	Fundus/iridocornea (Baby)	-	-	-	59°/66°/73°	7	10	15.4	28.5	12.8	■	-	-	-
906 S	■	-	3	Fundus/iridocornea (Baby)	-	-	-	59°/66°/73°	7	10	17.6	29.5	12.6	-	-	-	-
907	-	-	3	Fundus/iridocornea (Children)	-	-	-	59°/66°/73°	7.3	11	16.8	30.2	15.8	-	-	-	-
907 L	-	■	3	Fundus/iridocornea (Children)	-	-	-	59°/66°/73°	7.3	11	16.8	30.8	16.6	■	-	-	-
CGAL	-	■	1	Gonio	1.5x	0.66	-	58°	7.4	12	16	24	17.2	■	-	-	-
CGIL	-	■	direct	Iris	1.6x	-	-	-	7.4	12	14	24	14.4	■	-	-	-
CGPL	-	■	direct	Pupillary area	1.5x	-	-	-	7.4	12	15	13	4.4	■	-	-	-
CGRL	-	■	direct	Fundus	0.75x	1.33	64°	-	7.4	12	15.5	13	5.4	-	■	-	-
CGVL	-	■	direct	Vitreous	1.4x	-	-	-	7.4	12	16	13	6.2	■	-	-	-
RETINA 145 L	-	■	direct	Panfundus	-0.7x	1.43	145°	-	7.4	12	18	27.5	26	-	-	■	■
81 D	-	■	direct	Fundus	-1.28x	1.38	-	80°	-	-	-	16	-	-	■	-	-

\* loading capacity  $\geq 2000\text{J}/\text{cm}^2$ ,  $\geq 5 \times 10^3\text{W}/\text{cm}^2$

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#### HAAG-STREIT AG

Gartenstadtstrasse 10  
3098 Koeniz  
Switzerland  
Phone +41 31 978 01 11  
Fax +41 31 978 02 82  
[info@haag-streit.com](mailto:info@haag-streit.com)  
[www.haag-streit.com](http://www.haag-streit.com)