Refined renewed precision

EyeCee® ONE PRELOADED

EyeCee® ONE CRYSTAL PRELOADED

The intuitive monofocal intraocular lens system with more than 1.8 million implantations worldwide

BAUSCH + LOMB SURGICAL

CATARACT
GLAUCOMA
REFRACTIVE
RETINA
VISUALIZATION

Refined renewed precision

Keeping the best, renewing to perfect.

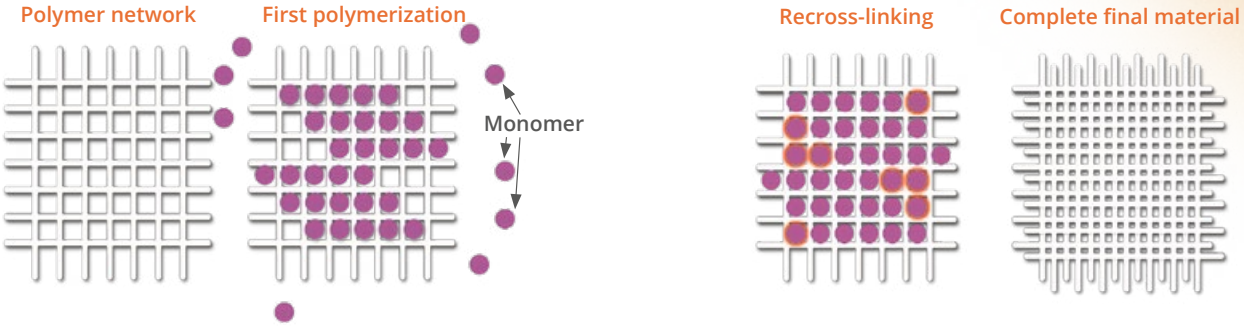
A new EyeCee® ONE Preloaded system; the same monofocal IOL with a redesigned preloaded inserter from a new manufacturing site.

Keeping the best of the previous inserter design and changing the manufacturing site to redefine the quality and elevate the performance.

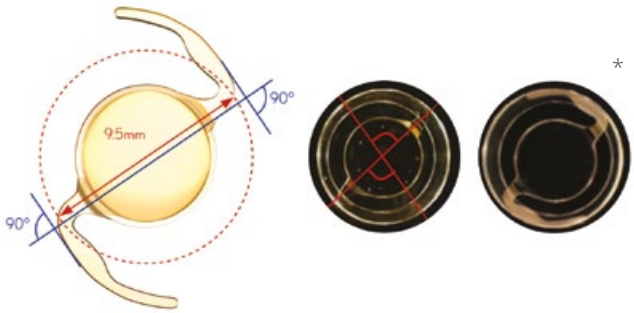
A new manufacturing site for the preloaded inserter in Japan with more than 50 years of experience in the ophthalmic devices market.

IOL material stability and design

Unique double-polymerization manufacturing process to reduce risk of glistening.



Unique haptic design to maximize intracapsular bag fixation and long-term stability.
90° anchor wing haptic with large contact angle for optimized intra-capsular bag behaviour of the lens.



Accelerated ageing in-vitro glistening evaluation[1]

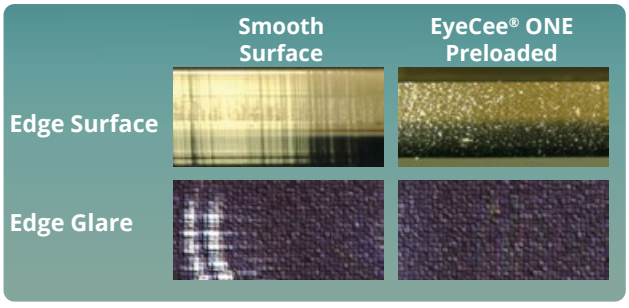
IOL	Average Microvacuoles/mm² ± Standard Deviation
Enhanced enVista® (Bausch + Lomb)	0.59 ± 0.63
EyeCee® ONE (Bausch + Lomb)	1.05 ± 0.21
Clareon® IOL (Alcon)	1.20 ± 1.16
MicroPure (PhysIOL)	2.45 ± 3.13

EyeCee® ONE Preloaded quality of vision

Aspheric aberration-correcting optic for an improved quality of vision with -0.13 µm of induced spherical aberration to compensate for positive corneal spherical aberrations.

Asperitic optic edge to reduce glare phenomena[2]

360° posterior square edge to reduce PCO[3,4]



* In-house data

1. Auffarth G. Schickhardt S., Zhang L., Monroe D.J: IOL material quality study - David J Apple Internantional Laboratory- University-Eye Clinic Heidelberg_ August 2020 **2.** Meacock WR, Spalton DJ, Khan S. The effect of texturing intraocular lens edge of postoperative glare symptoms. Arch.Ophthalmol. 2012; 120:1294-1298 **3.** Leydolt, Christina MD; Schartmüller, Daniel MD; Schwarzenbacher, Luca MD; Schranz, Markus MD; Schriefl, Sabine MD; Menapace, Rupert MD*. Comparison of posterior capsule opacification development with 2 single-piece intraocular lens types. Journal of Cataract & Refractive Surgery 43(6):p 774-780, June 2017. | DOI: 10.1016/j.jcrs.2017.06.005**4.** Schartmüller, D., Schriefl, S., Schwarzenbacher, L. et al. Posterior capsule opacification and Nd:YAG laser rates with two hydrophobic acrylic single-piece IOLs. Eye 34, 857–863 (2020). https://doi.org/10.1038/s41433-019-0569-x

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IOL spectral light transmission[5]

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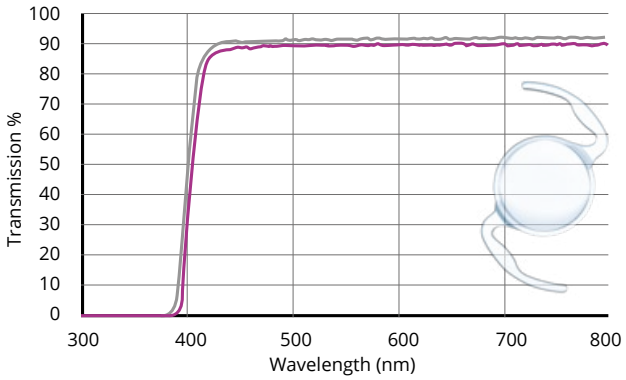
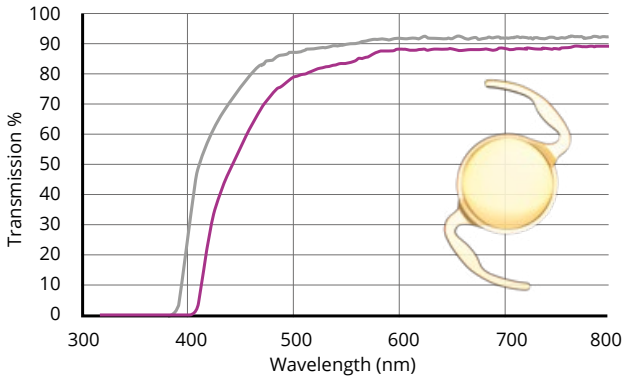


EyeCee® ONE Preloaded



Spectral transmittance of a +1.00 D IOL (thinnest)
Spectral transmittance of a +30.00 D IOL (thickest)

No Patient left behind

EyeCee® ONE extended diopter range covering most patient's profiles including high myopes

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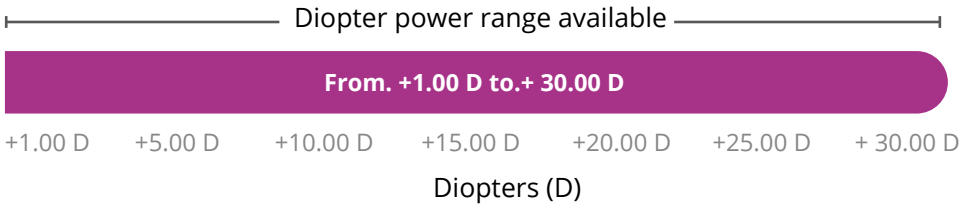
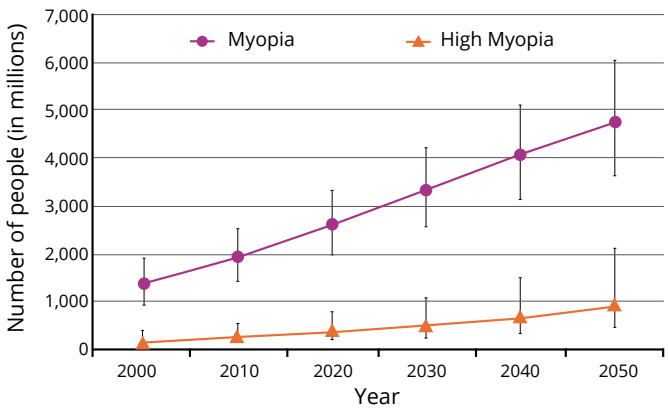


The proportion of people affected by myopia will increase in coming decades[6]

Projections estimate 50 % of the global population will be affected by myopia in the year 2050[6]

Number of people estimated to have myopia and high myopia for each decade from 2000 through to 2050

Error bars represent the 95% confidence intervals[6]



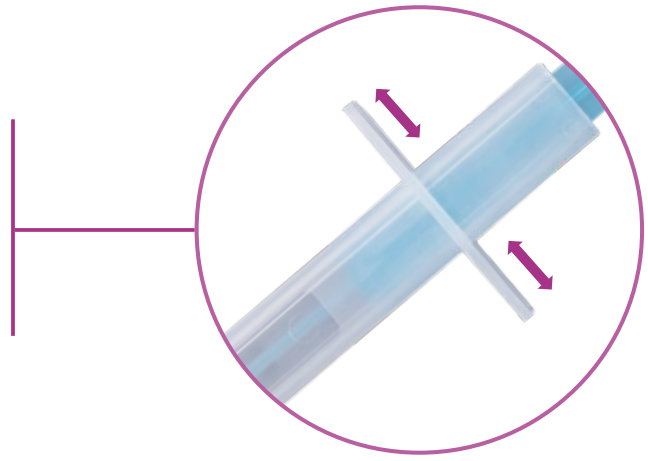
5. EyeCee® ONE CRYSTAL PRELOADED and EyeCee® ONE PRELOADED Instructions For Use
6. Holden BA, Fricke TR, Wilson DA, et al. Global prevalence of myopia and high myopia and temporal trends from 2000 through 2050. Ophthalmology. 2016; 123(5): 1036–1042. Ophthalmology, Volume 123, Issue 5, 2016, Pages 1036-1042, ISSN 0161-6420

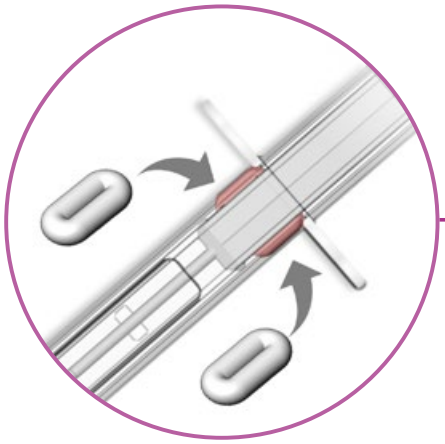
Even easier insertion

New finely-tuned inserter designed to provide an easier and more controlled insertion experience

Smoother insertion

Larger ergonomic finger flange
designed to provide more stability to hold the inserter during implantation





Dual silicone ring designed to:

- Provide smooth injection with constant pressure
- Reduce risk of sudden change in resistance minimizing risk of "rocket effect"

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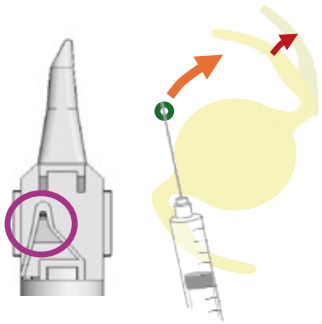
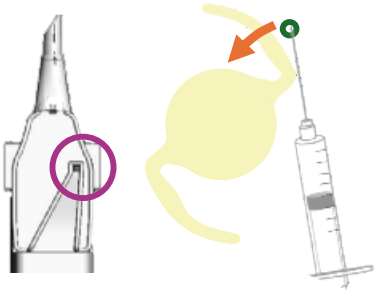
Seamless lens folding/unfolding

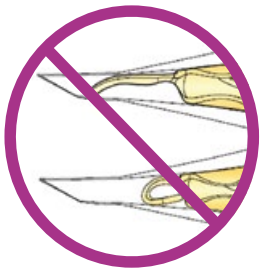
New visco-port position designed to prevent the leading haptic from being pushed and extended forward due to the pressure exerted by the viscoelastic.

Previous design



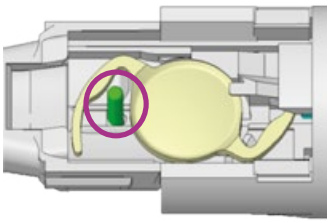
New design



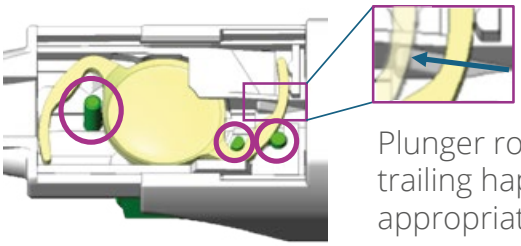


Optimized lens stoppers designed to prevent rotational displacement minimizing risk of the IOL sticking.

Previous design



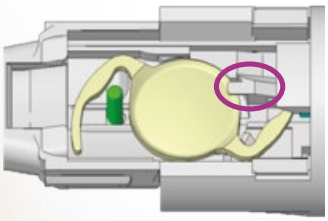
New design



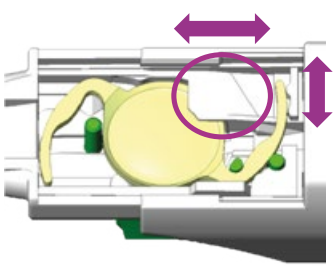
Plunger rod pushes the trailing haptic into the appropriate position

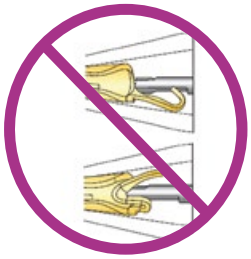
Enlarged guide surface designed to assist proper folding of the trailing haptic.

Previous design



New design





Technical Specifications

Material
Hydrophobic acrylic
UV filter
Blue-light filter (for EyeCee® ONE only)
Refractive index: 1.52

Design
Overall diameter: 13.00 mm
Optic diameter: 6.00 mm
Non angulated modified C-loop
360° posterior square edge

Optic
Monofocal biconvex aspheric

Diopter range
From +1.00 D to +30.00 D:
- From + 1.00 D to + 5.00 D (1.00 D step)
- From + 5.00 D to +27.0 D (0.50 D step)
- From +27.00 D to +30.0 D (1.00 D step)

DELIVERY SYSTEM
Fully preloaded system with push injection
Recommended incision size ≥ 2.2 mm

Constants*

OPTIC CONSTANT:
SRK/T Constant A: 119.7
ACD: 6.0
Surgeon factor: 2.13
Haigis constant: a_0: 1.675 / a_1: 0.40 / a_2: 0.10
Barrett design factor: 0

ULTRASONIC CONSTANT:
Constant A: 119.1
ACD: 5.70
Surgeon factor: 1.73

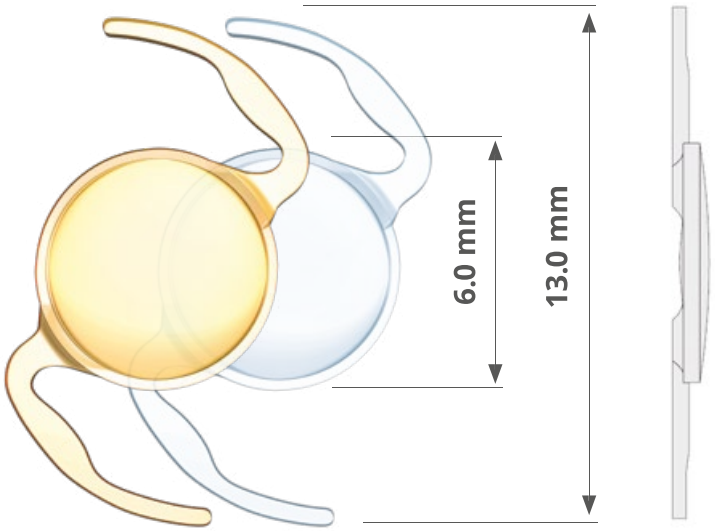
Operating room temperature
18-25°C

*Constants are estimates only. It is recommended that each surgeon develops their own values.

SKU

EyeCee® ONE Preloaded
EYEC1NPxxxx

EyeCee® ONE Crystal Preloaded
EYEC1NPCxxxx



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