

AddOn[®] sulcus lens

The AddOn is the IOL platform for vision enhancement and correction of pseudophakic eyes. The patented sulcus lens constitutes a milestone in functional patient care.

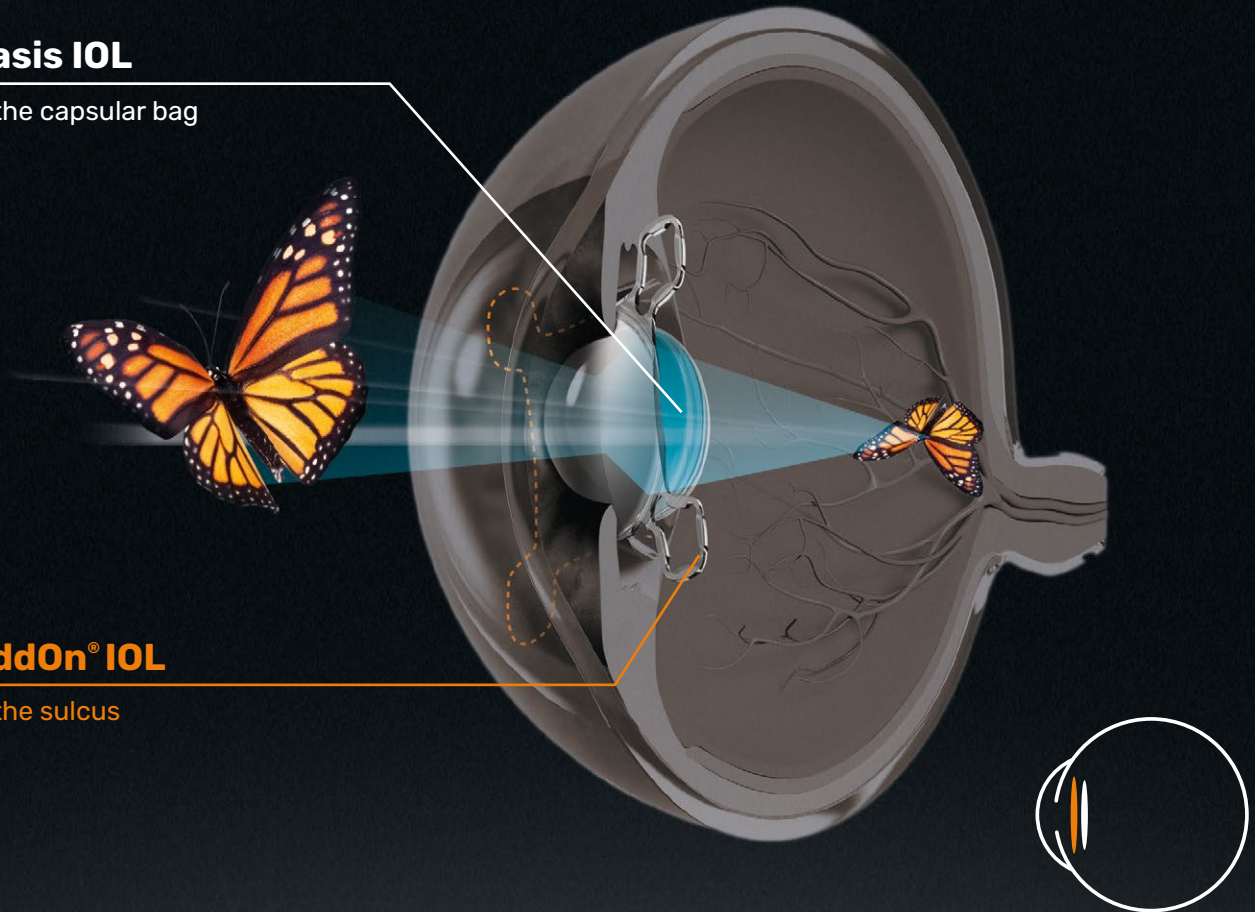
The AddOn lens is implanted in the sulcus as an addition to the Basis IOL fixed in the capsular bag, and is compatible with commonly used capsular bag IOLs, regardless of design or material.

Basis IOL

in the capsular bag

AddOn[®] IOL

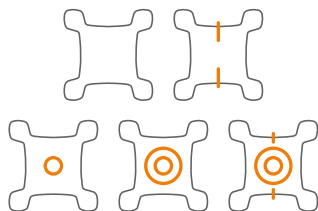
in the sulcus



AddOn® Areas of Application

Optimizing

refraction results in pseudophakic eyes. The full optical correction spectrum is available and can be individually adapted to the patient.



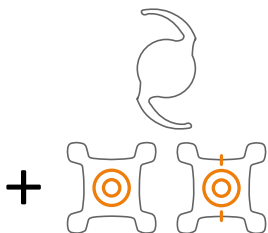
Upgrading

to multifocal (trifocal) or EDOF function in case of a subsequent patient request for more spectacle independence.








Planning spectacle independence

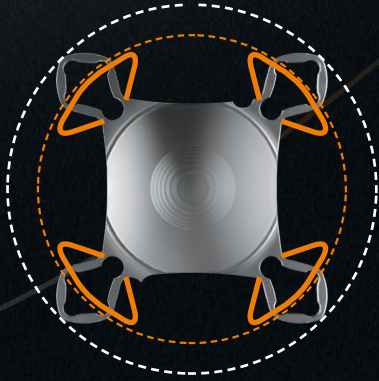
with the Liberty² dual-lens procedure. Spectacle independence becomes plannable and predictable with a Basis IOL in the capsular bag and a trifocal AddOn in the sulcus.



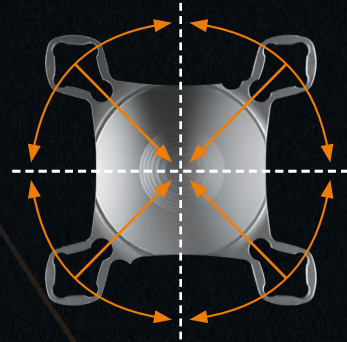
Optical range

	Distance	Near	Intermediate	Imaging
 AddOn® Refractive	●			
 AddOn® Toric	●			●
 AddOn® EDOF	●		●	
 AddOn® Trifocal	●	●	●	
 AddOn® Trifocal-Toric	●	●	●	●

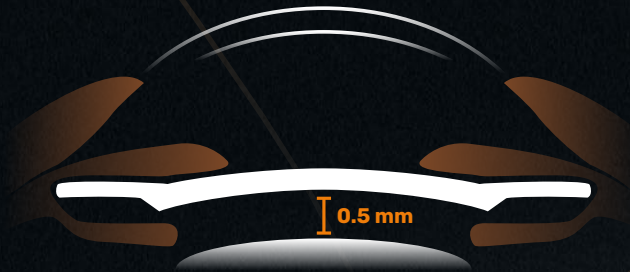
The AddOn[®] features



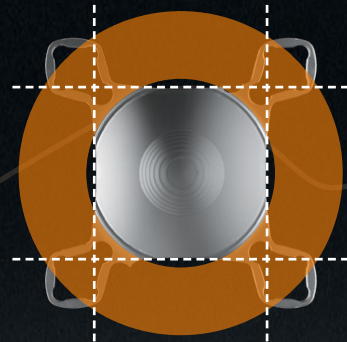
Sulcus fit
through 4 flexible haptics



Rotational stability
through non-torque design



No IOL touch & cell stop
through convex-concave optic



No iris capture
through square design

The AddOn[®] Benefits

The AddOn offers significant advantages for individual and safe patient care.

- **Patented sulcus design⁽¹⁾ for safe and stable positioning in the ciliary sulcus⁽³⁾**
- **Full spectrum of refractive corrections⁽²⁾⁽³⁾⁽⁹⁻¹²⁾, in particular trifocal upgrades⁽⁴⁾**
- **Safe procedure⁽²⁾⁽⁵⁾⁽⁶⁾ based on a proven technology**
- **No compromise of optical quality through the additional AddOn interfaces⁽⁹⁾**
- **Non-traumatic reversibility⁽⁹⁾⁽¹⁰⁾**
- **Implantable irrespective of lens status of the pseudophakic eye⁽⁵⁾⁽⁷⁾**
- **Option of implantation in one procedure or two subsequent procedures⁽⁹⁻¹²⁾**
- **Suitable for eyes with silicone oil tamponade or previous keratoplasty⁽⁸⁾**

References

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- (2) Gundersen KG, Potvin R. A review of results after implantation of a secondary intraocular lens to correct residual refractive error after cataract surgery. *Clinical Ophthalmology* 2017;11, pages 1791-1796.
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- (7) Reiter N, Werner L, Guan J, Li J, Tsaousis KT, Mamalis N, Srinivasan S. Assessment of a new hydrophilic acrylic supplementary IOL for sulcus fixation in pseudophakic cadaver eyes. *Eye (Lond)*. 2017 May;31(5):802-809.
- (8) Hassenstein A, Niemeck F, Giannakakis K, Klemm M. Torische AddOn-Intraokularlinsen zur Korrektur hoher Astigmatismen nach pseudophaker Keratoplastik. *Der Ophthalmologe*. 2017 Jun;114(6):549-555
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- (11) Albayrak S. et al. Visual performance and patient satisfaction following the implantation of a novel trifocal supplementary intraocular lens. *European Journal of Ophthalmology* 2021;31(5):2346-2352.
- (12) Harrisberg BP, Chua AW, Chua MJ, Taher A Comparison of Primary Duet Lens Procedures: In-The-Bag Monofocal with Sulcus Multifocal, and Standard Single Multifocal Lens for Cataract Surgery. *Clinical Ophthalmology* 2023;17:273-282. <https://doi.org/10.2147/OPTh.S396472>

Technical Data

					
	AddOn® Refractive	AddOn® Toric	AddOn® EDof	AddOn® Trifocal	AddOn® Trifocal-Toric
Article number	A4SW00	A4TW0T/A4TW00 A4FW0T/A4FW00	A4DW0H/ A4EW0H/A4DW0K	A4DW0M/ A4EW0M	A4HW0M
Sphere/SEQ	-10.0 D to +10.0 D	-10.0 D to +10.0 D	-5.0 D to +5.0 D (only for +1.75 D)	-5.0 D to +5.0 D	-3.0 D to +3.0 D
Cylinder		+1.0 D to +11.0 D			+1 D to +4.5 D
Addition			+1.75 D; +2.25 D	+3.00 D	+3.0 D

Type and material	One-piece sulcus lens made of biocompatible hydrophilic acrylic (water content 25 %), UV absorber
Refractive index	1.46
Abbe number	58
Dimensions	Total diameter: 13 mm Optic diameter: 6 mm
Optic	aspherical aberration-free convex-concave
Haptic	4 flex-haptics 0° angulation 4 closed loops sulcus fit
Sterilization	Steam
Recommended injection system	1stInject 2.0HB 1stInject 2.4HB
Manufacturer	1stQ. AddOn® is a registered trademark of 1stQ.

For use by healthcare professionals only. Please carefully read the safety information in the Electrical Instructions for Use before use (eIFU / www.1stq.eu/eifu). In case of questions, please contact the 1stQ contact person responsible for you.

What users around the world are saying



"Based on the reliable stability of the 1stQ AddOn Trifocal lens, I use it often in clinical practice for increasing my options for refractive upgrades or correction."

Sathish Srinivasan, MD, FRCSEd, FRCOphth, FACS, United Kingdom

"I feel very comfortable and safe with the planned two-stage trifocality with a Basis IOL in the capsular bag and a trifocal AddOn in the sulcus. The superindication for this technique is RLE or post-LASIK cataract surgery. Refractive surprises should thus be entirely eliminated."

Kjell Gunnar Gundersen, MD, PhD, Norway

"The 1stQ AddOn IOL allows to bring patients into their visual comfort zone."

Erik L. Mertens, MD, FEBO, Belgium

"The AddOn with trifocal array is just great. In combination with the capsular bag lens it provides a high degree of adaptability to refractive situations. Handling and safety are convincing."

Prof. Dr. Gangolf Sauder, MD, Germany

"The main advantage of implanting a secondary lens with trifocal performance is its ease of reversibility at any time, [...]. This is a smart option for the patient who is particularly unsure about dealing with aberrations from multifocal IOLs."

Brian Harrisberg, MD, MBBCh, FRACS, FRANZCO, Australia

Leading begins together

**Want to find out more about the AddOn®? Or discuss
1stQ's versatile IOL solutions?**

We are ready and happy to assist with expertise or new ideas.
Let us drive quality, standards and the best possible individual
vision together.

Further questions?

export@1stq.eu

Service Box
AddOn®



▶ Handling video



↓ AddOn website