

Liberty²
Dual-Lens Procedure

Presbyopia Correction

Precise. Reversible. Sustainable.

Liberty⁽²⁾ Dual-Lens Procedure

AddOn[®] IOL

in the sulcus - for near and intermediate vision

The AddOn is available either with a trifocal, a toric-trifocal and an EDOF optic.

Basis IOL

in the capsular bag - for distance vision

Optic (spheric, aspheric, toric) and material (hydrophilic, hydrophobic) may be chosen freely.



Precise

With more than 3300 potential power combinations it is possible to achieve highly precise refractive results and enter a new stage of individualised patient care.

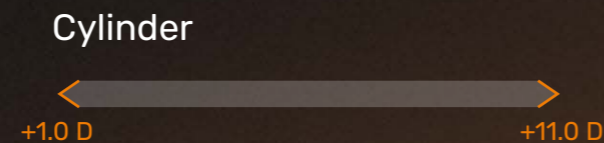
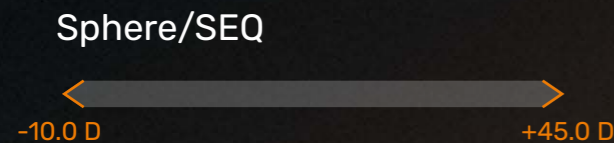
Reversible⁽¹⁾⁽²⁾

The AddOn is reversible at any time. If necessary, it may be exchanged even after many years.

Sustainable

Due to the general reversibility of the AddOn the dual-lens procedure is a safe and flexible solution - especially if future changes of the eye status occur.

Performance:



(1) Khoramnia R, Baur ID, Yan W, Labuz G, Auffarth GU Comparison of a Presbyopia-Correcting Supplementary Intraocular Lens Combination and a Capsular-Bag Lens: An In Vitro Study. *Diagnostics* 2023, 13, 1482. <https://www.mdpi.com/2075-4418/13/8/1482>.

(2) Gundersen KG, Gjerdrum B, Potvin R. Efficacy of a Secondary Trifocal Sulcus IOL in Providing Near and Intermediate Vision in Patients with Prior Myopic Laser Vision Correction and Cataract Surgery. *Clinical Ophthalmology* 2022;16:2219-2226. <https://doi.org/10.2147/oph.s372925>

Presbyopia Correction – empowered by EPS technology

Fewer steps, more vision.

Each diffractive step causes loss of light and increases the potential for disturbing visual effects, such as halos and glare. The trifocal optic of the AddOn needs six or five diffractive steps (EDOF four steps), while comparable capsular bag lenses operate on the basis of 14 steps or more.

Owing to the Elevated Phase Shift (EPS) technology in the central area of the optic, constructive interference is created between the 0th (far) and 1st (near) diffractive order, thus creating a 3rd (intermediate) focal point.

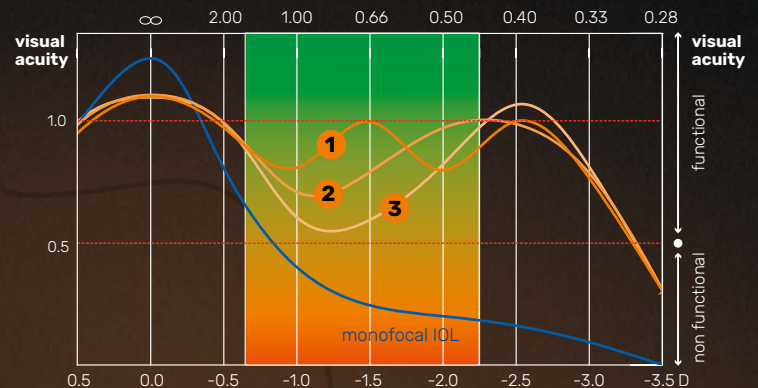
Possible Binocular Power Additions

- 1 +1.75 D & +3.0 D
- 2 +2.25 D & +3.0 D
- 3 +3.0 D & +3.0 D



Liberty² is currently **only available in Germany.**

Liberty² Defocus Curves



*The above shown defocus curve provide an orientation. Individual results may differ.



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