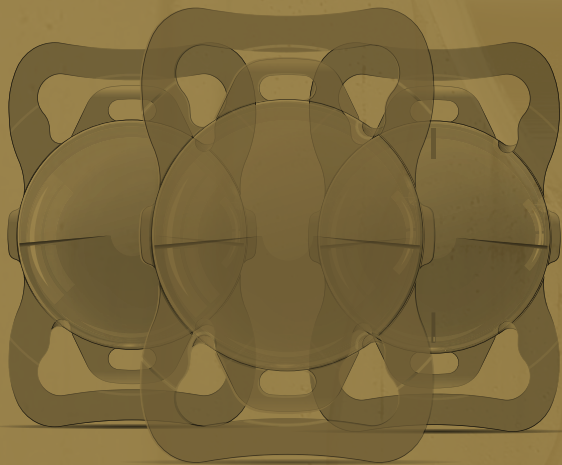




FEMTIS®

Premium Treatment
with High Precision



UNIQUE PERFECTION



LASER
TAG

FEMTIS® IOL Family

Premium IOL for high precision

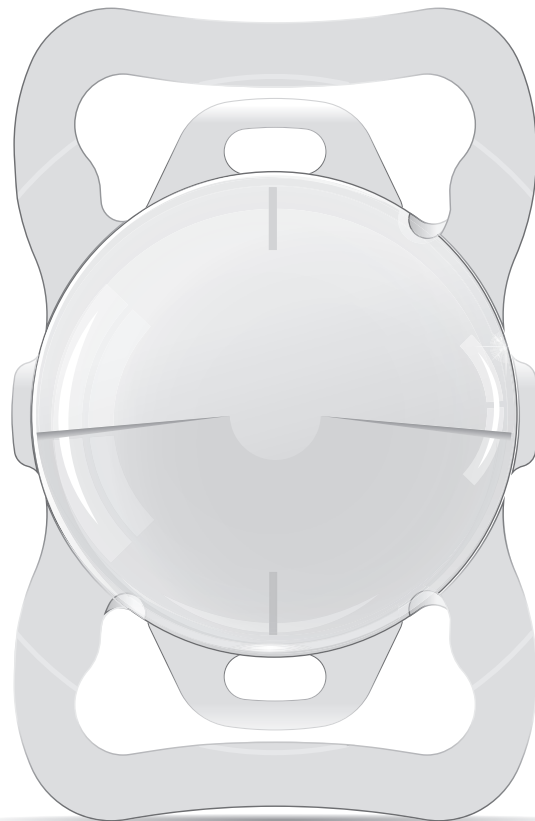
The unique haptic design of the capsulorhexis-fixated FEMTIS® IOL Family allows very predictable positioning, benefiting from automated capsulotomies. The perfect alignment of the IOL with the optical axis as well as the very high rotational stability are ideal conditions for a precise correction.

Very high visual performance

Proven **premium** optics

4 additional clip haptics
for exceptionally stable positioning
and fixation in the capsular bag

Unique combination:
FEMTIS® IOL and automated
capsulotomy



Premium in IOL care

Outstanding IOL & haptic design

Renowned surgical procedure



FEMTIS® IOL Family

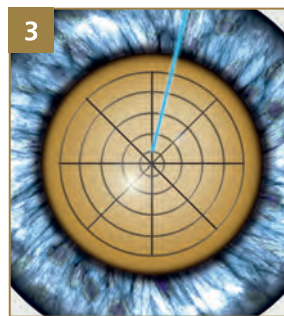
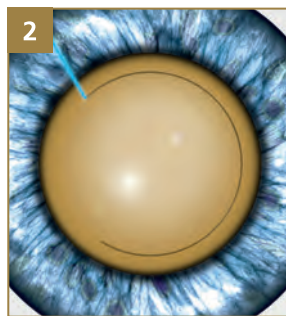
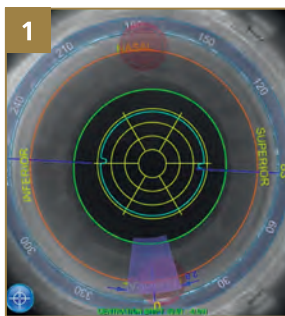
Precision with automated capsulotomies

Advantages of the automated capsulotomy

- Perfectly round cut
- Low ACO / PCO risk
- Very good reproducibility
- Perfect centering on the optical axis
- Very high precision
- Very little risk of capsule rupture
- No mechanical manipulation

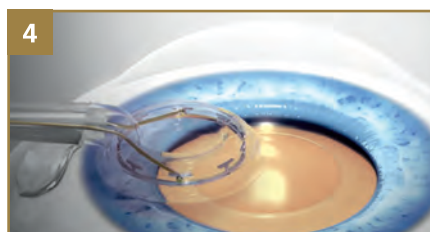
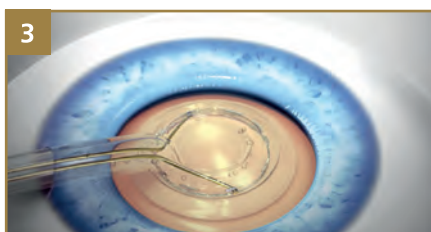
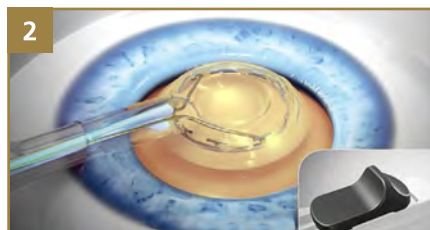
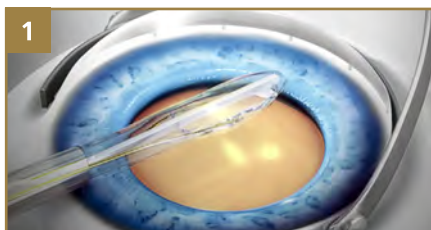


Laser-assisted capsulotomy [1st premium alternative]



- Step 1:** Individualised laser configuration
- Step 2:** Perfect, circular capsular bag opening using computer-controlled laser cutting technology
- Step 3:** Fragmentation of the lens nucleus

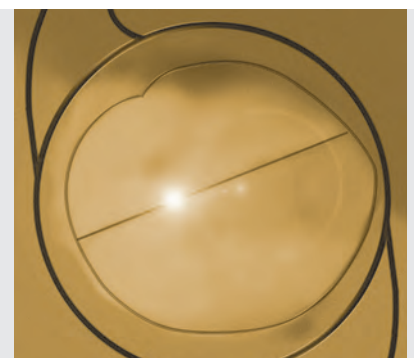
Zepto capsulotomy system [2nd premium alternative]



- Step 1:** Application of the zepto tip into the anterior chamber
- Step 2:** Positioning of the silicone ring on the optical axis
- Step 3:** Stick the silicone ring on the lens capsule
- Step 4:** Performing the capsulotomy

Possible disadvantages of manual capsulotomy

- Fluctuating reproducibility
- No alignment on the optical axis
- Increased risk of capsule rupture
- More time required
- Not perfectly round
- Higher ACO / PCO risk

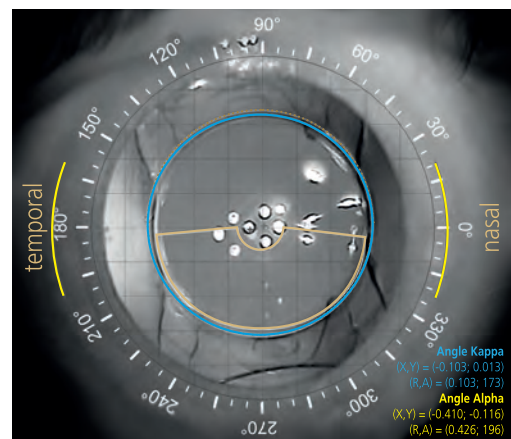


FEMTIS® IOL Family

Unique Perfection

Perfect positioning of the IOL on the optical axis

- **Very high** rotational stability
- **Very low risk of** tilting
- **Very low risk of** decentration

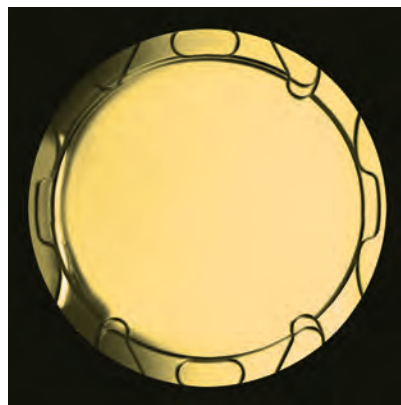


Standard versus FEMTIS®



Capsulorhexis margin of a standard, not fixated IOL

Potentially pronounced symptoms of negative dysphotopsias



Capsulotomy rim and FEMTIS® IOL form an ideal unit

Lower risk of negative dysphotopsias

Additional benefits

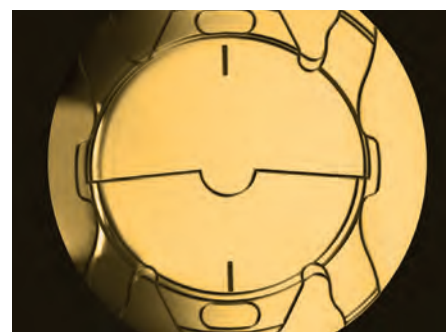
Sharp edge design:
ACO / PCO prevention



Enclavation in capsulorhexis:
IOL Stability



Perfect match: Automatic capsulotomy & FEMTIS® IOL

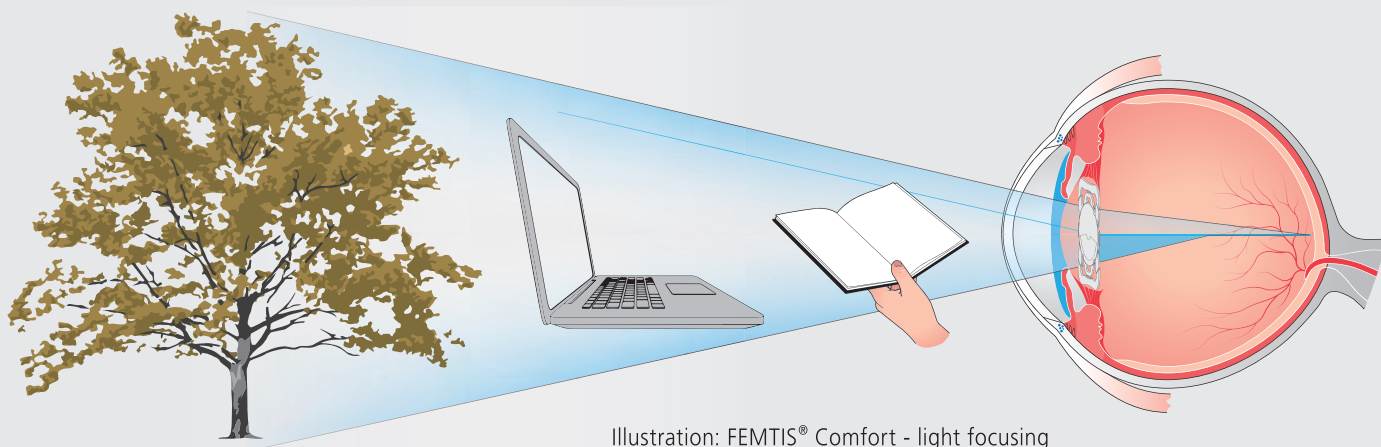


FEMTIS® Comfort

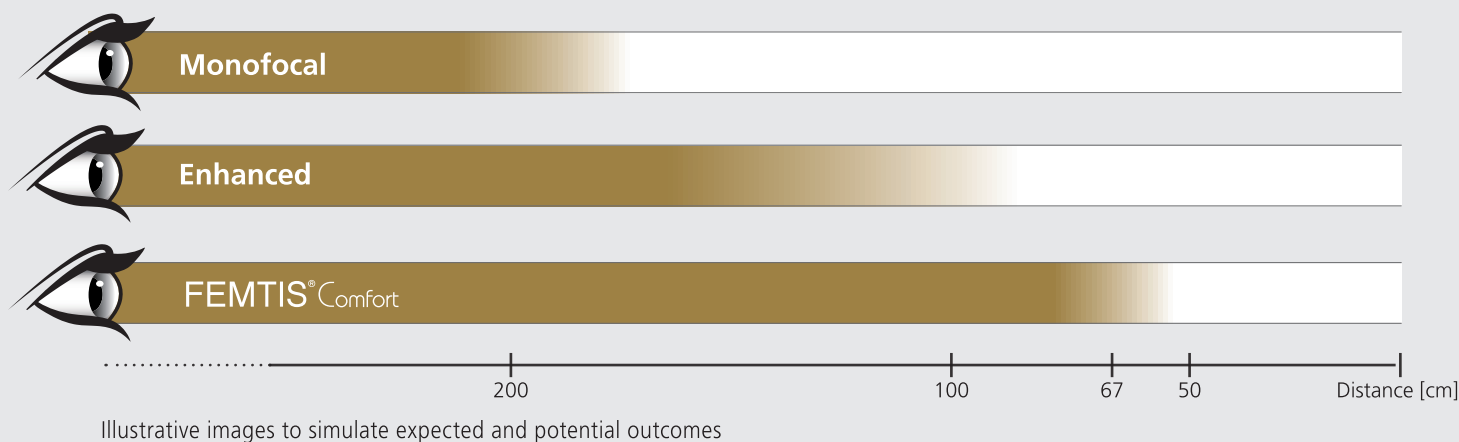
IOL with varifocal effect

Continuous Transmission Technology

- Large distance optics zone
- Transition free central optics
- Segment for continuous vision up to the intermediate area due to varifocal effect

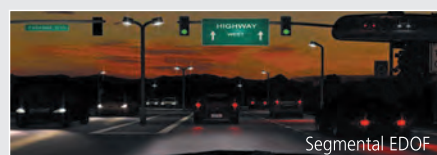
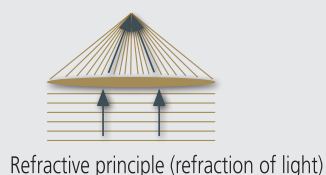
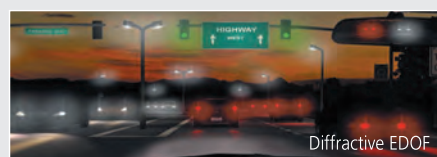
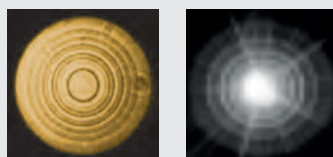
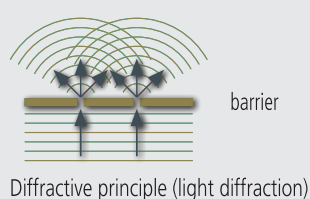


Superior visual comfort than with standard monofocal care



Unique refractive segment optics

Minimal reported subjective photic phenomena



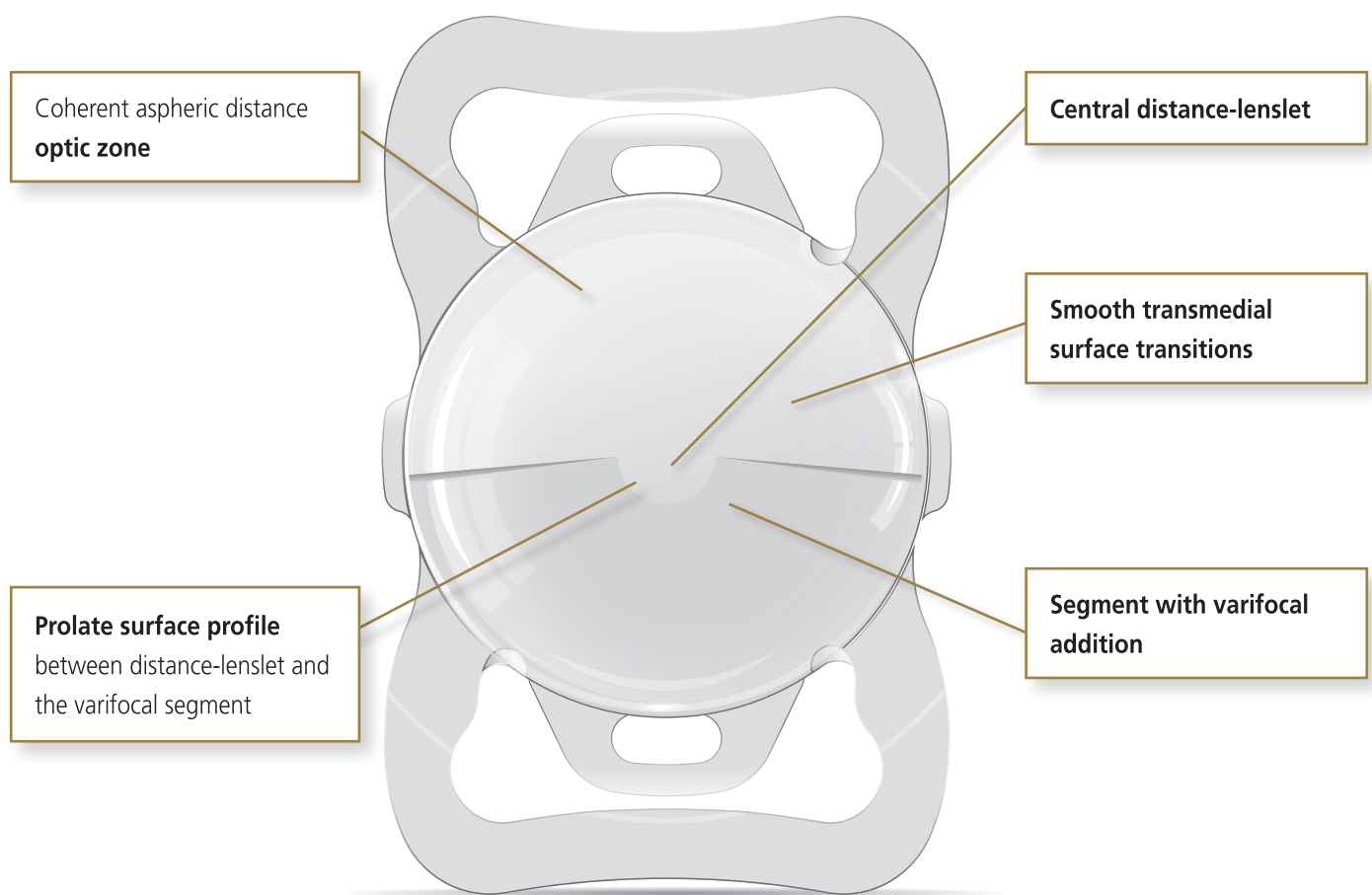
FEMTIS[®] M_{plus}

Premium-IOL with varifocal effect

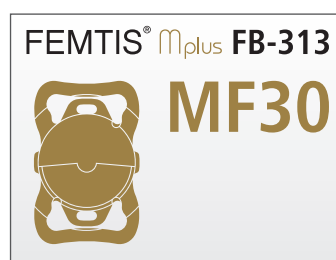
Unique asymmetrical-refractive optical design

Continuous Transmission Technology

- Large distance optic zone
- Smooth transition from distance to near
- Very high light transmission for excellent vision and contrast



Proven optical system for all distances



- Allrounder for active daily life style requirements

FEMTIS[®] M_{plus}^{toric}

Perfect refractive results in the correction of presbyopia and astigmatism

Presbyopia

For many patients, the age-related deterioration of near and intermediate vision goes hand in hand with a loss of their freedom and independence. Multifocal intraocular lenses are an alternative to reading and varifocal spectacles and offer a permanent solution to this problem.

Vision without reading glasses



Illustrative image to simulate expected and potential outcome

From cyl.
0.50 D

M_{plus}^{toric}

Otherwise
risk of 1/3
loss
of vision

E E

E E

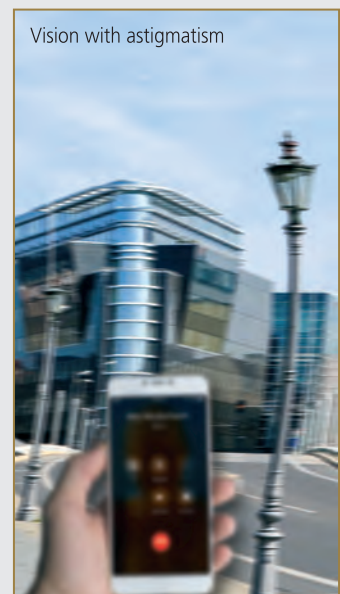
E E

E E

Vision without astigmatism



Vision with astigmatism



Illustrative images to simulate expected and potential outcomes

Astigmatism

Impaired vision at all distances, due to a not evenly round cornea.

FEMTIS® studies

Clinical results



IOL fixation in the capsulotomy - results of a FEMTIS® multicentre study

in 336 eyes

DOI: <https://doi.org/10.1016/j.ajo.2020.12.025>

Prof. Gerd Auffarth, MD



- International multicentre study in 8 clinics
- Excellent visual and stable refractive outcomes
- Exceptional high in-the-bag stability over a 12-month period
- Very predictably positioning
- Offers an optimal platform for toric and multifocal IOL optics

Decentration



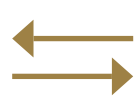
0.06 mm

Rotation



0.77°

Tilt



0.45°



FEMTIS® Comfort – a capsulorhexis-fixed EDOF IOL

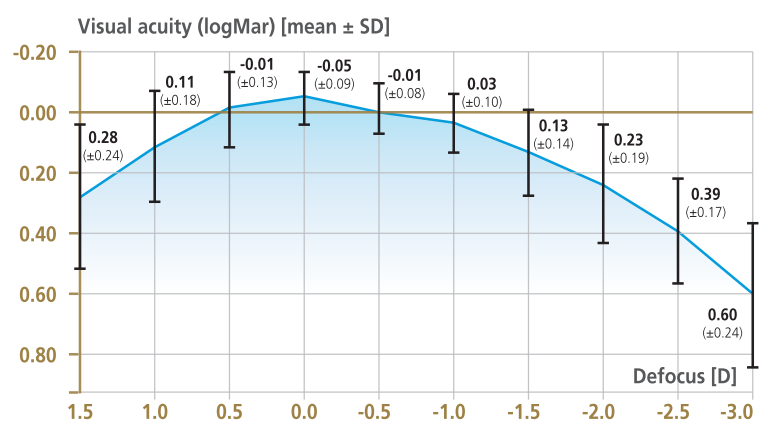
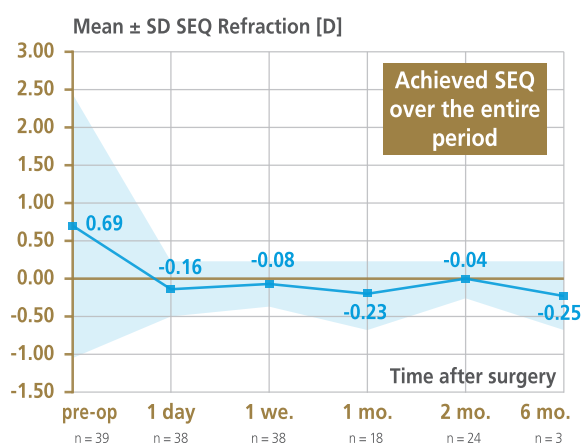
in 50 eyes

DOI: <https://doi.org/10.1097/j.jcrs.0000000000000044>

Patrick Versace, MD



- Fast refraction stability due to the fixed IOL position
- Average change in IOL position over 6 months: 0.092 µm



Advantages of effective lens positioning and refraction stability with FEMTIS®

in 70 eyes

DOI: <https://doi.org/10.1016/j.ajo.2020.01.009>

Prof. Wolfgang J. Mayer, MD



- FEMTIS® guarantees significantly better refractive predictability due to a stable ELP compared to intraocular lenses with C-loops or simple plate haptics

FEMTIS® Comfort & Comfort^{toric}

One-piece posterior chamber lens with aspherical segmental optics for automated capsulotomies

Parameters	FEMTIS® Comfort FB-313 MF15	FEMTIS® Comfort ^{toric} FB-313 MF15 T0-T3
Type	Foldable one-piece EDOF-IOL for capsular bag and additional capsulotomy fixation	Foldable one-piece toric EDOF-IOL for capsular bag and additional capsulotomy fixation
Optic Size	5.7 mm	5.7 mm
Overall Length	10.5 mm	10.5 mm
Haptic Angulation	0°	0°
Optic Design	Biconvex Sector-shaped near vision segment Anterior: +1.5 D Aspherical surface - posterior Spherical aberration neutral	Biconvex Sector-shaped near vision segment Anterior: +1.5 D Aspherical & toric surface - posterior Spherical aberration neutral
IOL Design	Plate haptic with additional Clip-haptics Optic and haptics with square edges, posterior 360° continuous barrier effect	
Material	HydroSmart® - a copolymer, consisting of hydrophilic acrylates with hydrophobic properties and UV absorbing	
Available Diopters	SE +15.0 D to +30.0 D (0.5 D)	SE +15.0 D to +30.0 D (0.5 D) cyl. T0 +0.75 D T1 +1.5 D T2 +2.25 D T3 +3.0 D
Refractive Index	1.46	1.46
A constant (nominal)	117.8	117.8
Sterilisation	Steam sterilisation	Steam sterilisation
Storage	Supplied in sterile water	Supplied in sterile water
Recommended Injector-Sets	Check compatibility of IOL with injector matrix provided at https://lentis-eifu.com	

Source: IOLcon.org

Please note that neither Teleon nor IOLcon can be held responsible for correctly specifying the optimized A constants for the Zeiss IOLMaster. The specified constants are therefore to be seen as a guide value and starting point for calculating the IOL refractive power

Advantages of the FEMTIS® Comfort | Comfort^{toric}®:

- Excellent visual acuity results for the distance and intermediate ranges
- More spectacle independence compared to monofocal standard IOLs results in a better quality of life
- Good contrast - comparabel with monofocal standard IOL

FEMTIS® Mplus & Mplus^{toric}

One-piece posterior chamber lens with aspherical segmental optics for automated capsulotomies

Parameters	FEMTIS® Mplus FB-313 MF30	FEMTIS® Mplus ^{toric} FB-313 MF30 T0-T3
Type	Foldable one-piece multifocal IOL for capsular bag and additional capsulotomy fixation	Foldable one-piece toric multifocal IOL for capsular bag and additional capsulotomy fixation
Optic Size	5.7 mm	5.7 mm
Overall Length	10.5 mm	10.5 mm
Haptic Angulation	0°	0°
Optic Design	Biconvex Sector-shaped near vision segment Anterior: +3.0 D Aspherical surface - posterior Spherical aberration neutral	Biconvex Sector-shaped near vision segment Anterior: +3.0 D Aspherical & toric surface - posterior Spherical aberration neutral
IOL Design	Plate haptic with additional Clip-haptics Optic and haptics with square edges, posterior 360° continuous barrier effect	
Material	HydroSmart® - a copolymer, consisting of hydrophilic acrylates with hydrophobic properties and UV absorbing	
Available Diopters	SE +15.0 D to +30.0 D (0.5 D)	SE +15.0 D to +30.0 D (0.5 D) cyl. T0 +0.75 D T1 +1.5 D T2 +2.25 D T3 +3.0 D
Refractive Index	1.46	1.46
A constant (nominal)	117.8	117.8
Sterilisation	Steam sterilisation	Steam sterilisation
Storage	Supplied in sterile water	Supplied in sterile water
Recommended Injector-Sets	Check compatibility of IOL with injector matrix provided at https://lentis-eifu.com	

Source: IOLcon.org

Please note that neither Teleon nor IOLcon can be held responsible for correctly specifying the optimized A constants for the Zeiss IOLMaster. The specified constants are therefore to be seen as a guide value and starting point for calculating the IOL refractive power

Advantages of the FEMTIS® Mplus | Mplus^{toric}:

- Continuous vision over all distances due to the varifocal effect
- Unique brilliant optics without rings
- Maximum use of light
- Very little photic phenomena

MANUFACTURER: _____ Revision: QF2402v4

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