

CE
2460

Optiflex
GENESIS
comfort PLUS

Inspired by
natural vision

mono **MORE** *technology*

biotech

VISION CARE

Optiflex

GENESIS

comfort PLUS

REDEFINING MONOFOCAL SEGMENT

- A new Hydrophobic Aspheric EDOF IOL with Aspheric surface
- Continuous vision from distance to intermediate
- Spectacle independence for Intermediate Vision
- An extended range of vision: >1.75 D at spectacle plane with Visual Acuity 0.2 LogMAR or better
- Intermediate vision up to 57 cm
- MICS (2.2 mm) compatible to reduce SIA
- Designed for fast neural adaptation
- Minimal glare and haloes
- ABBE no. 47



LMFAC6E



LMFAC6ET

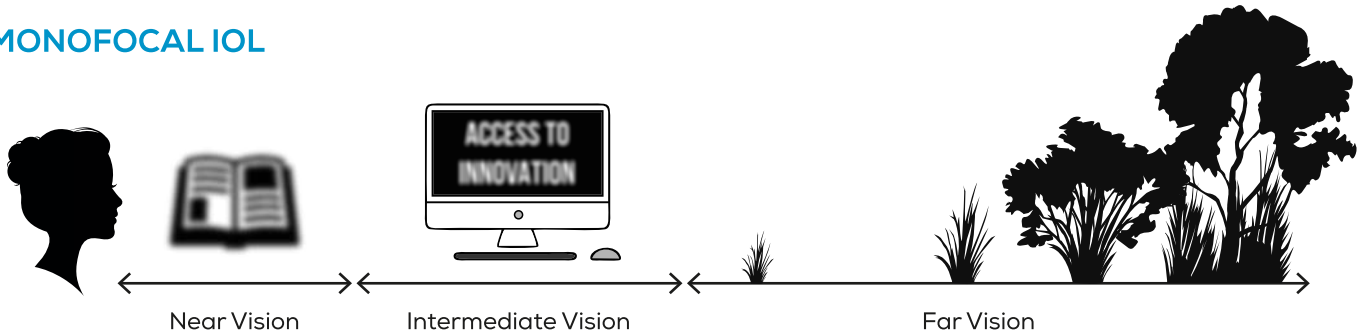
ADDED INTERMEDIATE VISION:

mono **MORE** *technology*

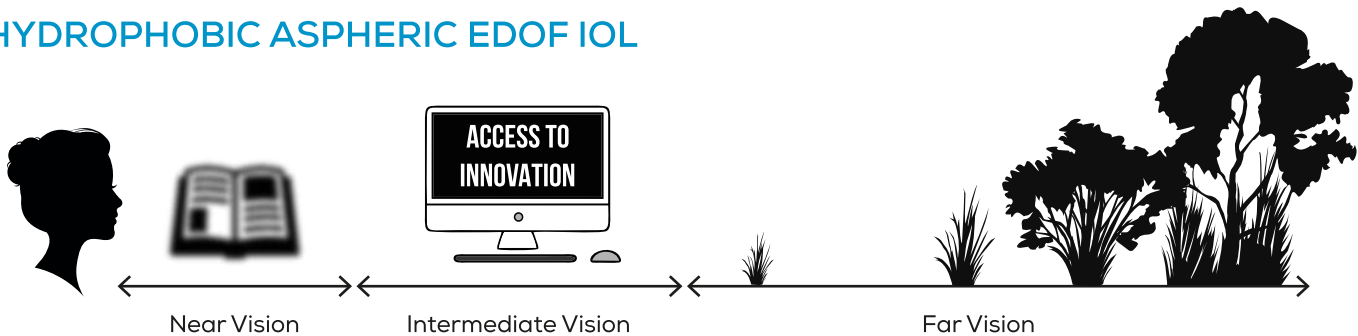
UNIQUE ASYMMETRIC POWER DISTRIBUTION

- Designed for extended vision
- Optimized optical Zones to provide extended depth of focus
- Asymmetric power distribution to minimize pupil dependency
- Photic phenomena similar to Monofocal IOLs

MONOFOCAL IOL



HYDROPHOBIC ASPHERIC EDOF IOL



OPTIMIZED LIGHT ENERGY

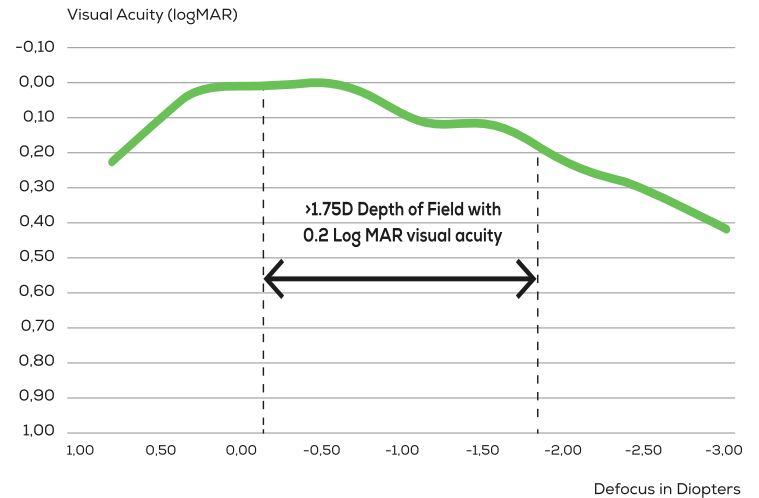
Optimized optical zones provide the extended depth of focus for Intermediate vision and asymmetric power distribution minimizes pupil dependency in all lighting conditions.



DEFOCUS CURVE*

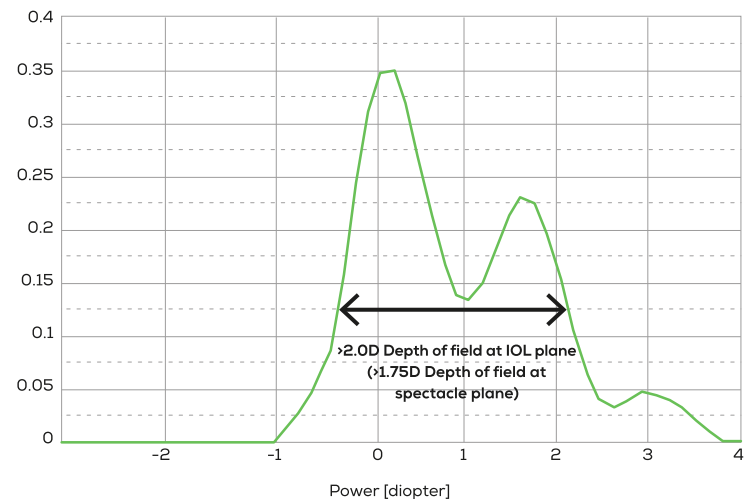
Extended Depth of focus for Intermediate vision without compromising far vision

- Continuous vision from Distance to Intermediate.
- Great support for daily activities.
- 0.2 LogMAR visual acuity even at +1.0D denotes tolerance range of IOL



MODULATION TRANSFER FUNCTION*

- Optimized energy distribution from Distance to Intermediate
- More than 0.3 MTF (50 lp/mm) @ 3.00 mm aperture
- Good contrast in all light conditions

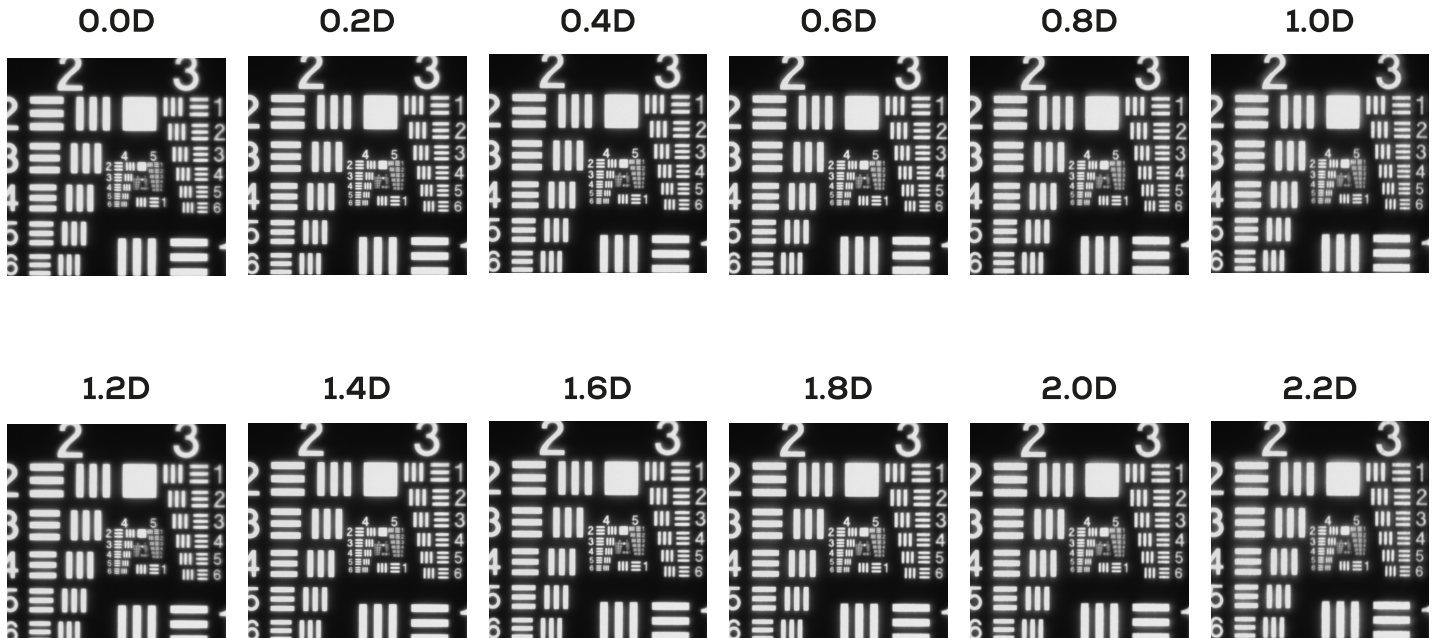


*Data on File.

OPTICAL RESULTS*

USAF IMAGES AT 3.0 MM APERTURE

Optimized light distribution to maintain better resolution and good contrast sensitivity

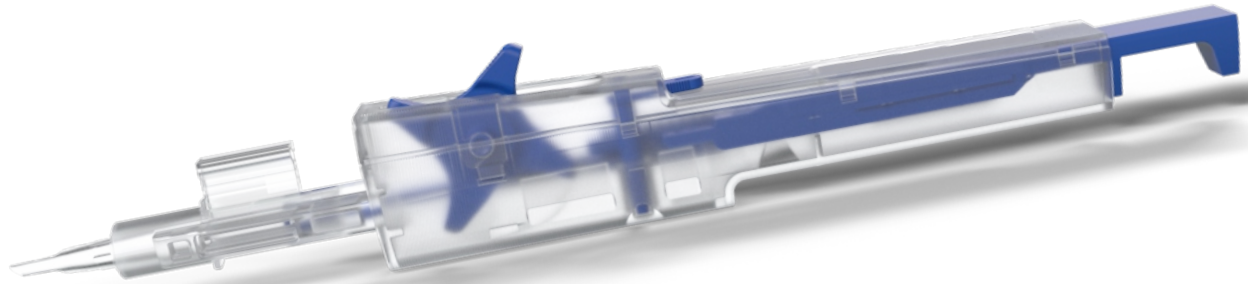


*Data on File.

PRE-LOADED DELIVERY SYSTEM

SINGLE HAND IMPLANTATION WITH CONTROL OF SCREW TYPE INJECTOR:

BEST OF BOTH WORLDS



SIMPLE IOL IMPLANTATION USING FOLLOWING STEPS

STEP 01



Apply adequate amount of any **Hydroxypropylmethyl Cellulose 2% OVD** having ambient temperature condition, from the cartridge-tip end until the injector-barrel. Apply OVD into the loading chamber underneath the IOL and only up to half of the chamber size. The zone of the barrel and end of the loading chamber remains dry at this time. Do not over-fill. Apply a drop of OVD on the blue silicone tip also.

STEP 02



Push the blue injector plunger forward until the front push plate is flush against the injector housing to fold both haptics towards the optic. It is recommended to execute this step with two hands, slowly and gently.

STEP 03



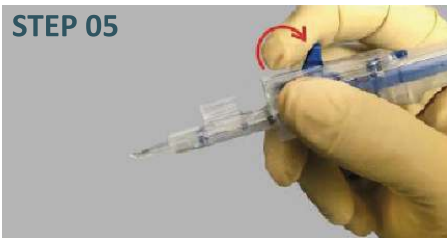
Close the cartridge flaps in one move. Ensure that the flaps are locked with a "Click" sound.

STEP 04



Push the blue injector plunger forward until the rear push plate is flush against the injector housing. It is recommended to execute this step slowly and gently. Do not move the plunger further. Please keep the prepared injector system in this position minimum for 30 seconds and maximum up to 1 minute before the IOL implantation. The injector can be kept maximum up to 5 minutes in this position.

STEP 05



Now hold the delivery system with a "Pen Grip", as shown here and keep your index finger on Drive Wheel. As shown in the picture, the thumb and middle finger should hold the injector on the wheel hub (not too far back).

STEP 06



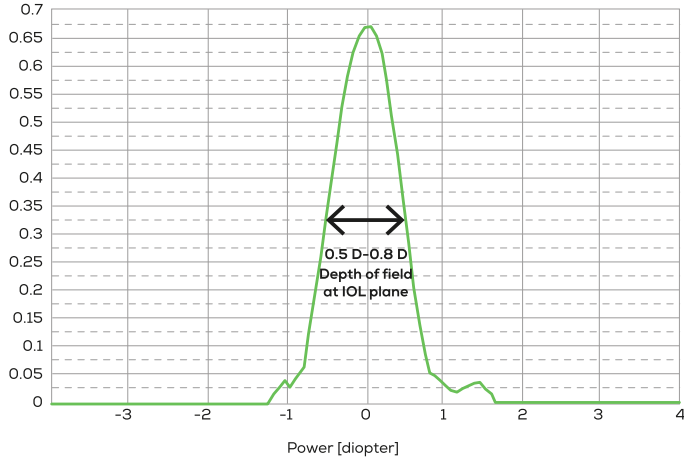
Hold the system with the cartridge tip in a bevel down position. Now using your index finger, pull and rotate the drive wheel back slowly in order to push the lens forward until it is delivered. Once on starting to rotate the wheel and IOL comes in to narrow area of cartridge, deliver and implant the IOL continuing the action without stopping or waiting.

MONOFOCAL IOL VS ^{Optiflex} GENESIS *comfort* PLUS

MTF COMPARISON*

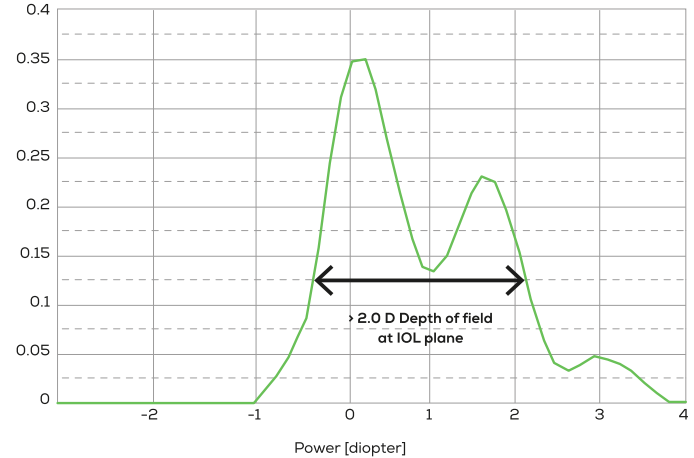
Monofocal IOL provides 0.5 D to 0.8 D depth of field and ^{Optiflex} GENESIS *comfort* PLUS IOL provides more than 2.0 D depth of field (>1.75D depth of field at spectacle plane) which is helpful for Intermediate distance range of daily visual activities.

MONOFOCAL IOL



Modulation Transfer Function @3.0 mm aperture

^{Optiflex} GENESIS *comfort* PLUS



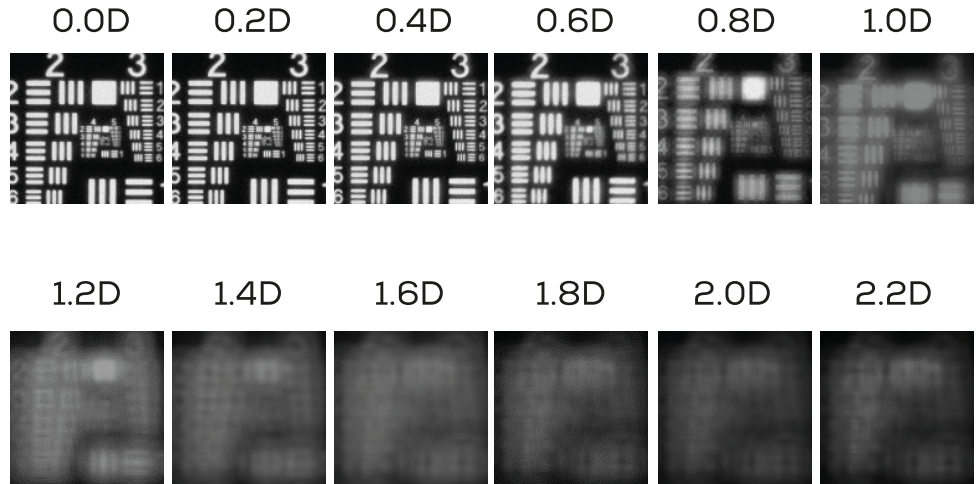
Modulation Transfer Function @3.0 mm aperture

*Data on File.

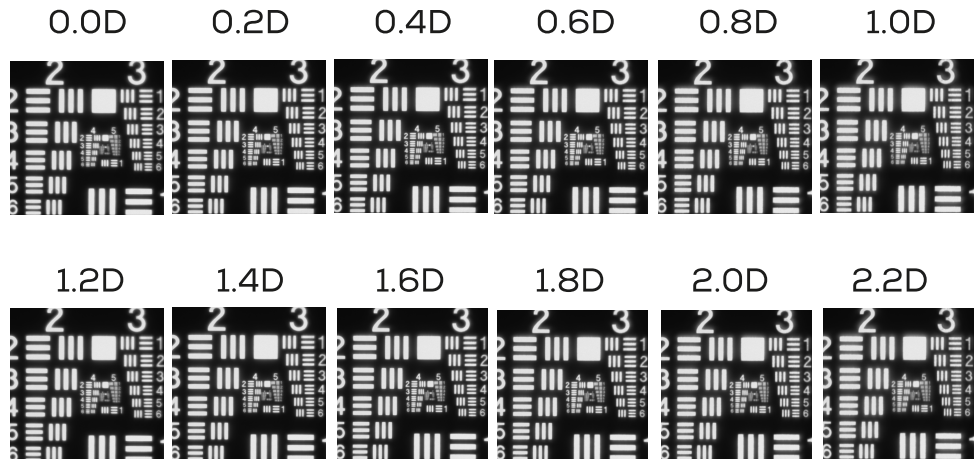
MONOFOCAL IOL VS. ^{Optiflex} GENESIS *comfort* PLUS

USAF IMAGES COMPARISON*

MONOFOCAL IOL



^{Optiflex} GENESIS *comfort* PLUS



*Data on File.

SPECIFICATION	LMFAC6E	LMFAC6ET	
MATERIAL	Hydrophobic Acrylic Containing Natural Yellow Chromophore		
OPTIC TYPE	Single Piece, 360° Square Edge with Aspheric Optic (LMFAC6ET is available with Toric Optic)		
OPTIC SIZE	6.00 mm		
OVERALL SIZE	13.00 mm		
ANGULATION	0°		
ACD	5.28		
REFRACTIVE INDEX	1.52		
RECOMMENDED ULTRASOUND A-CONSTANT	SRK-T 119.00		
RECOMMENDED OPTICAL A-CONSTANTS	HAIGIS: α_0 :1.574, α_1 :0.400, α_2 :0.100		
	HOFFER - Q ACD: 5.78		
	HOLLADAY 1 SF: 1.99	HOLLADAY 2 SF: 2.02	HOLLADAY 2 ACD: 5.78
	SRK-II 119.90	SRK-T 119.40	Barrett: 2.09
DIOPTRER RANGE	+7.0 D to +30.0 D (with 0.5 D step)		
CYLINDER RANGE (For Toric Version)	1.0 D to 1.5 D (with 0.5 D step). 1.5 to 6.0 D (with 0.75 D step).		
IMPLANTATION SITE	Capsular Bag		
DELIVERY SYSTEM	Pre-loaded delivery system		
STERILIZATION	EO		

To choose suitable ^{Optiflex} **GENESIS** *comfort* PLUS model, Please login to





Scan For Biotech Connect App

MANUFACTURING FACILITY

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