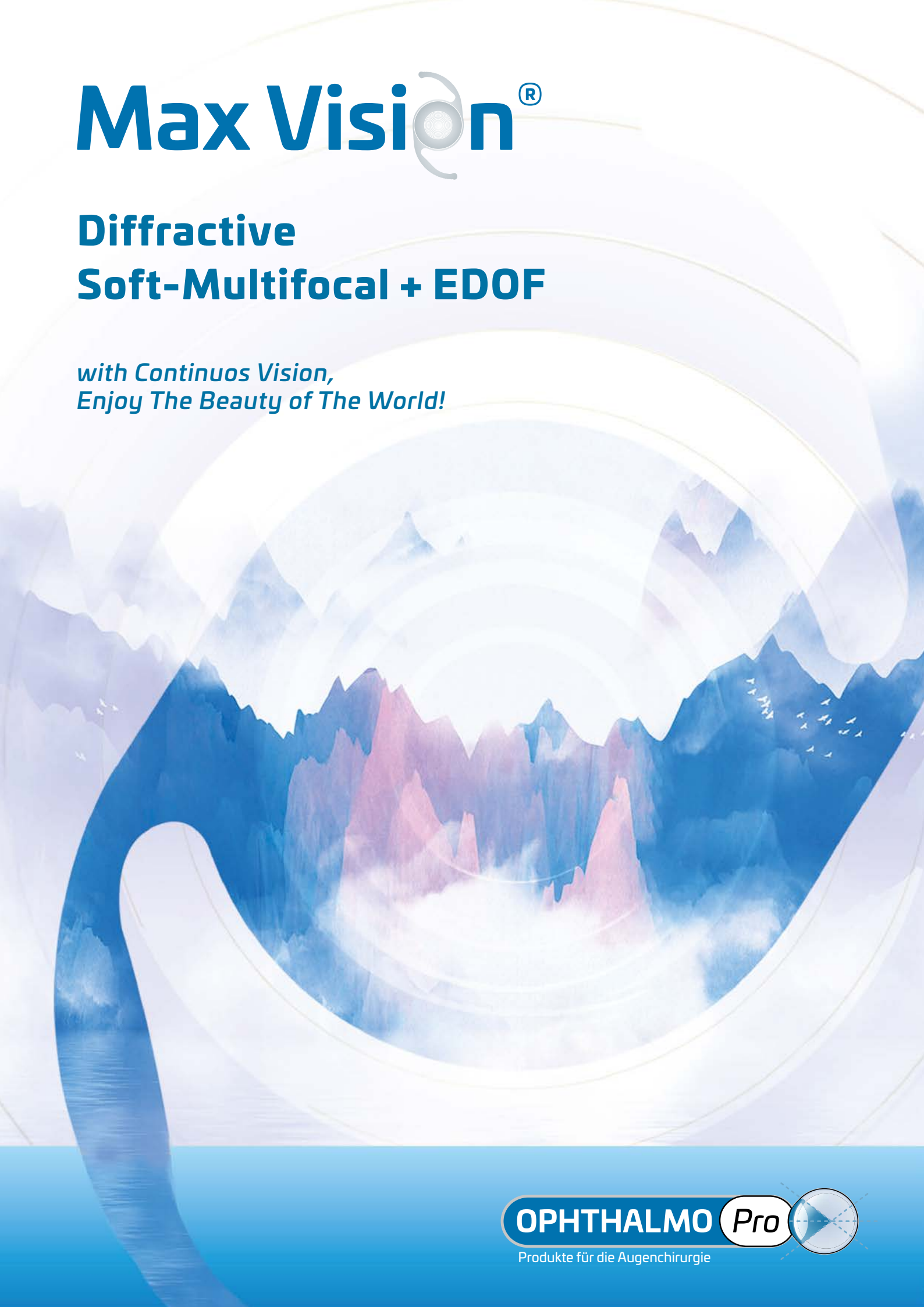
Max Vision®

Diffractive
Soft-Multifocal + EDOF

with Continuos Vision,
Enjoy The Beauty of The World!



OPHTHALMO Pro
Produkte für die Augenchirurgie

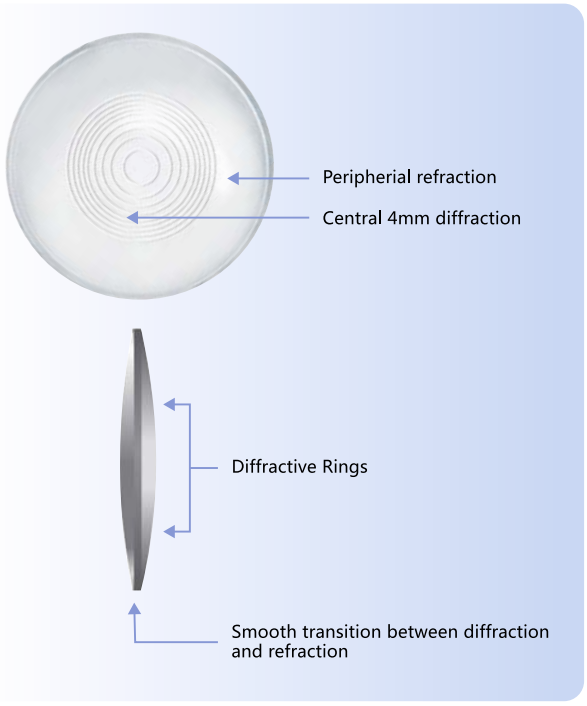
Diffractive Multifocal Design

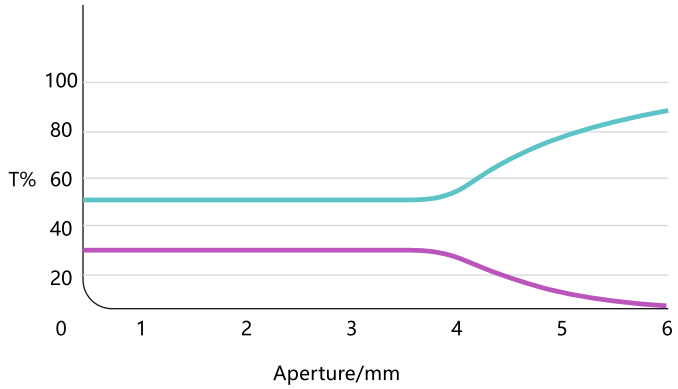
Central 4mm Diffractive Rings Zone

The diffractive rings are distributed within the central 4mm diameter, effectively adjusting the energy distribution of light rays and ensuring imaging requirements at different focuses

Periphery High Order Aspheric Refractive Zone

Smooth transition between the diffractive and refractive zone ensures balanced energy distribution at near and distant focuses, effectively reducing visual interference





Enhancing light energy distribution at the distant focus when the aperture size increases

Reducing glare and halo under dark lighting conditions

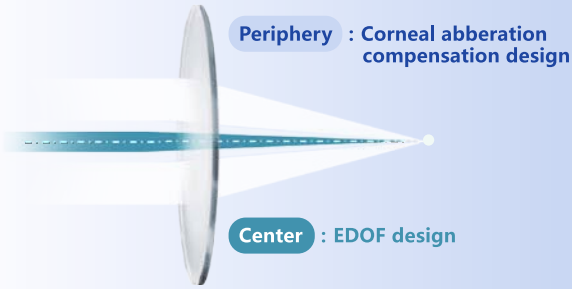
Extend Depth Of Focus Aspheric Technology

Optical Center Zone

With Super large aberration, the depth of focus is extended to the nearer vision.

Peripheral Optical Zone

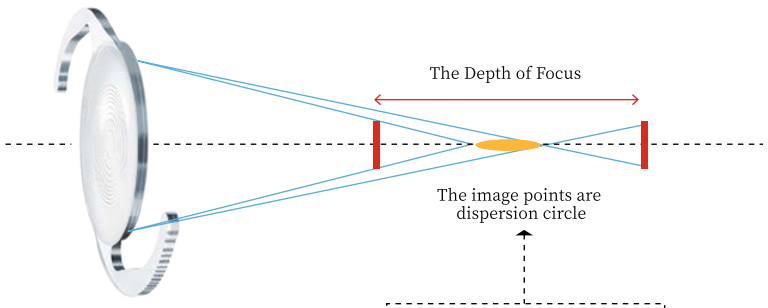
Aberration gradually decreases, and visual quality is not Interfered under large pupil condition



High Order Aspheric Technology

Smooth surface without glare introduced

EDOF Intraocular Lens



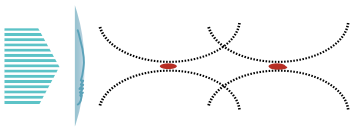
The Focus Extended

The spherical aberration of the small aperture of the intraocular lens is increased to a certain extent, thus the focus is extended to obtain the extended depth of focus, achieving the continuous focus, and providing continuous vision.

Better Combination of Surface Shape and Function

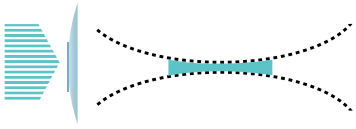
Posterior Surface Diffractive Design

Achieve multifocal for near and distant vision



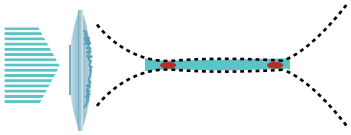
Anterior Surface Aspheric EDOF Design

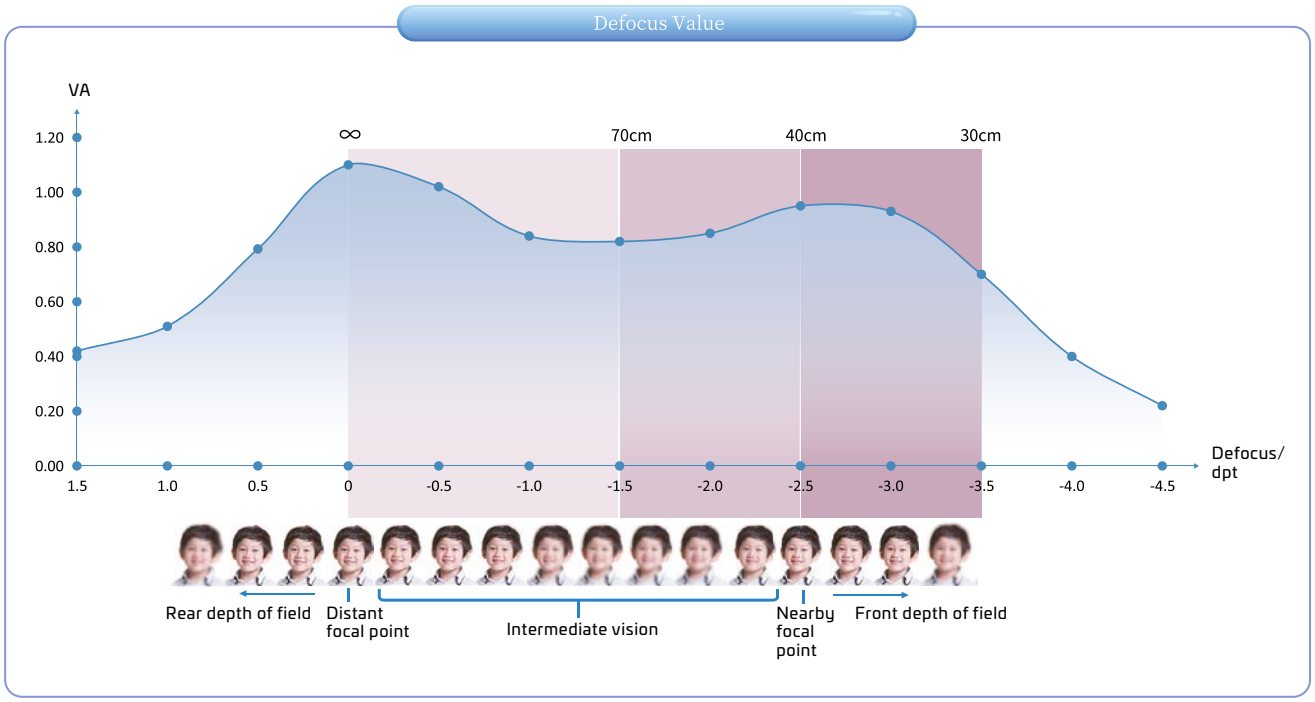
The depth of focus extended achieve the vision continuous.



Combination of Anterior and Posterior Surfaces

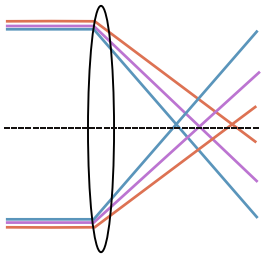
Gain near enough and continuous full-range vision



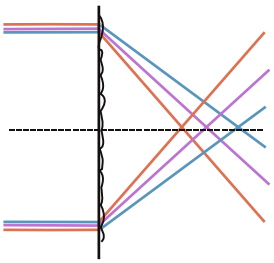


BALANCE ART
Active Chromatic Aberration Correction Technology

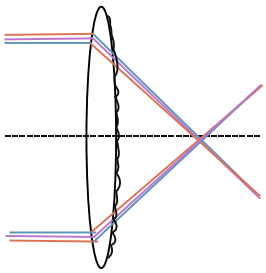
Refractive Positive Chromatic Aberration



Diffractive Negative Chromatic Aberration



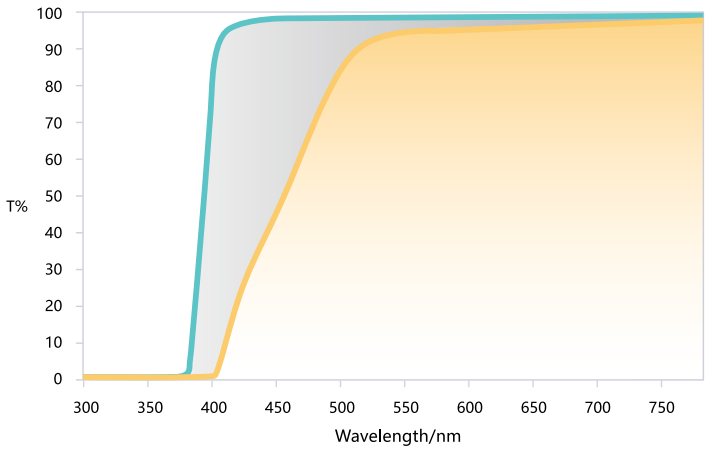
Combination Achromatism of Refraction and Diffraction



Refractive index of the material is highly matched with additional optical power, the refractive and diffractive chromatic aberrations can be compensated mutually, bringing in sharper images and better visual experience.

Clear Material Enhance The Optical Performance

Clear lens "Say No" to light energy loss



The visible light range for the spectral transmittance of clear lens is about 380-780nm.

The world you see through the Yellow Lens

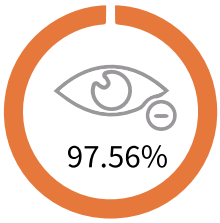
The world you see through the clear Lens

Chinese Clinical Result for Our multifocal + EDOF IOLs with Additional Power 2.8D

Allow the subjects to gain good intermediate vision, and have continuous vision.
The performance in glare and contrast sensitivity is slightly better than the control product.

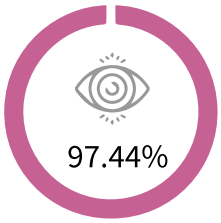
Postoperative Vision Performance and Spectacle Independent Rate

(12 months or more after surgery)



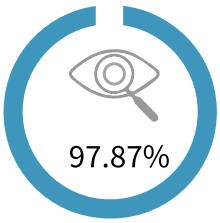
Distant Vision

Decimal Visual Acuity>0.6,
Among 88.24%
is not bigger than 0.



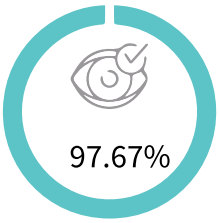
Mediate Vision

Decimal Visual Acuity>0.6



Near Vision

Decimal Visual Acuity>0.6
and 100% is above 0.5



Rate of Spectacle Independence

Daily rate of spectacle independence
including "Never wear spectacle",
"rarely wear spectacle",
"seldomly wear spectacle".

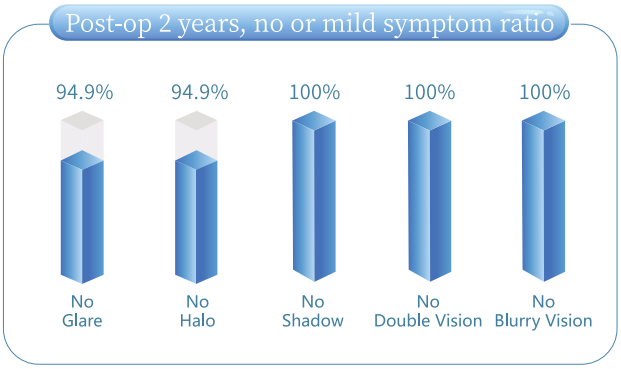
Better Subjective Feeling, Less Visual Interference

Subjective Questionnaire

2 years or more after surgery
Mainly Investigate the patients' daily visual activity requirements, such as reading large print, recognizing people, seeing stairs, signs, filling out forms or signing, recreational activities, sports, watching TV, cooking, etc

— Visual Symptom Evaluation —

3 months after surgery, the eye become stable. The adaptation period was relatively short, with approximately 80% of patients reporting no visual impairments. A small percentage of patients experienced mild visual impairments.



Technical Details

Productname	MAX Vision®	
IOL Type	foldable, one-piece	
Material	hydrophobic clear acrylic heparinmodified surface	
Refractive index	1.48	
Lens Type	Back: Diffractive multifocus rear surface Front: Refraktive, aspheric, EDOF	
Powers	+10.0 dpt ~ +30.0 dpt	
Additional Power	+2.8 dpt	
Haptic design and angulation	modified „L"Loop ; 1.5°	
Optic diameter	6.0 mm	
Overall length	13.0 mm	
Recommended a-constant for optical biometry	118.9	
	Haigis	a0 = 1.50, a1 = 0.40, a2 = 0.10
	Hoffer	pACD=5.69
	Holladay I	sf = 1.95
	Holladay II	ACD = 5.69
	SRK/T	A = 119.2
	SRK/II	A = 119.6
	Barrett	LF = 2.0; DF = 2.5

MAX Vision® Multifocal Toric
Preloaded Toric IOL

Characteristics:

- Cylinder power T1 to T6 (1.00 to 4.50 D at IOL level)
- Diopter range from 10.0 – 30.0 in half steps
- Toric, one piece IOL of hydrophobic acrylic with extended depth of field
- glistening-free, based on in vitro test
- 1-Step preloaded

Modell clear	Cylinder Power at IOL Plane	Cylinder Power at Corneal Plane
AT1	1.00 D	0.72 D
AT2	1.50 D	1.07 D
AT3	2.25 D	1.59 D
AT4	3.00 D	2.11 D
AT5	4.00 D	2.80 D
AT6	4.50 D	3.15 D

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