



# All Range™

ALL DAY, EVERY DAY

OPHTHALMO *Pro*

Produkte für die Augen Chirurgie



**High Add. EDOF Optic**

**Hydrophobic Acrylic IOL**

**Pure refractive**

**Preloaded  
Injector system**

# All Range™

## High Power EDOF IOL



Model	<b>All Range™</b>
IOL type	Single piece
Material	High-purity, hydrophobic acrylic, glistening-free, Miyata Grade Zero
Filter	UV-filter
Lens type	Extended range of vision
Power Range	Preloaded across the dioptric range from +5D to +36D in 0.5 D
A constant*	118.9 (nominal)
Lens diameter	6.0 mm optic zone
Total diameter	13.00 mm
Haptic design and Angulation	Modified C-loop, 1.5°
Edge design	360° ultra-sharp square edge, roughened edge

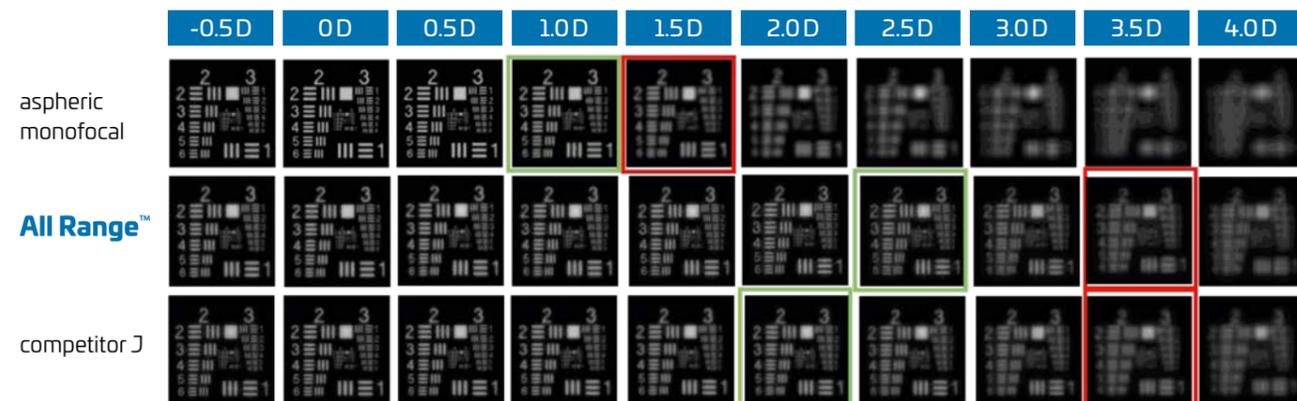
### Optimized values for Laser Biometry

Nominal	118.9
Haigis	a0=1.499 a1=0.40 a2=0.10
HofferQ	pACD 5.68
Holladay 1	sf=1.949
SRK/T	119.2
SRKII	119.6
Holladay 2	5.688
Barrett	DF 2.5/LF 2.000

\*The A constant is the basis for calculating the lens power. It is recommended that these be customized based on the experience of the operating surgeon and the equipment used.

## Defocus USAF

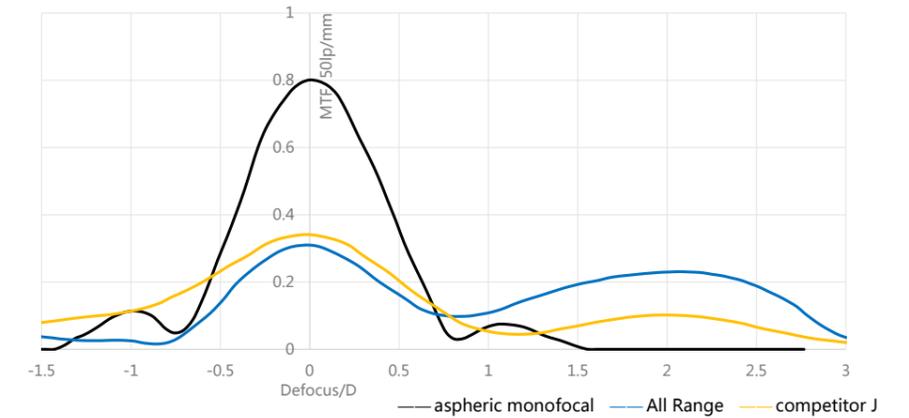
White light / 3 mm aperture / 0.20 μm model eye



## Results optical bench

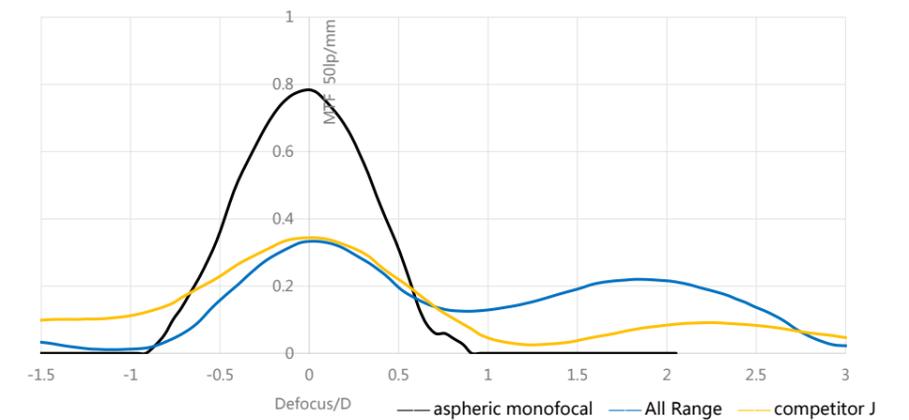
### TFR-MTF

- 546 nm
- 3 mm aperture
- 0.00 μm model eye



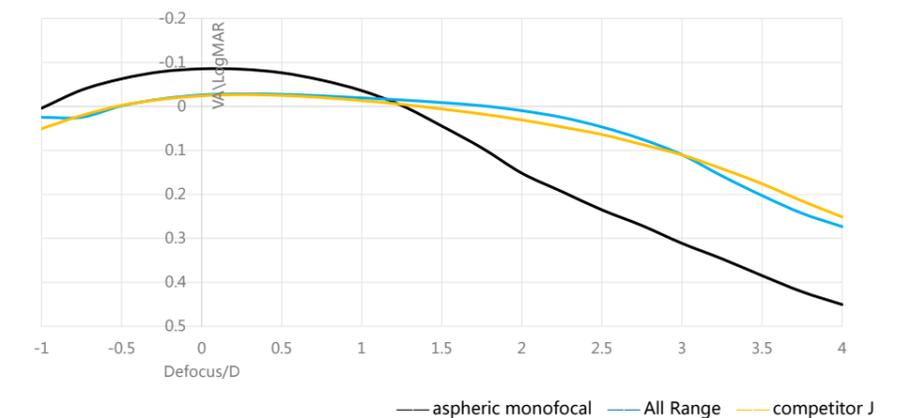
### TFR-MTF

- 546 nm
- 3 mm aperture
- 0.20 μm model eye



### Predicted clinical defocus curve

- White light
- 3 mm aperture
- 0.20 μm model eye



# All Range™ TORIC

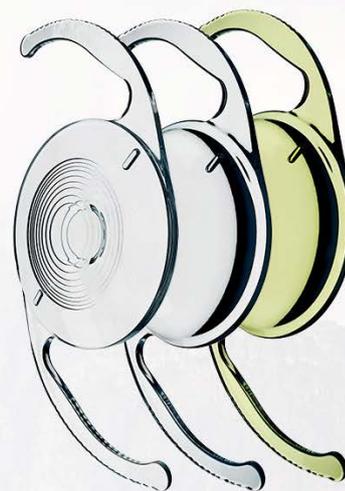


Modell Clear/Yellow	Cylinderpower at IOL Plane	Cylinderpower at Corneal Plane
AT1	1.00 D	0.72 D
AT2	1.50 D	1.07 D
AT3	2.25 D	1.59 D
AT4	3.00 D	2.11 D
AT5	4.00 D	2.80 D
AT6	4.50 D	3.15 D

## Toric Calculator

Calculate the individual toric value of the intraocular lens.

You can calculate the All Range™ TORIC on our website  
[ophthalmo-pro.de/en/toriccalculator\\_en/](http://ophthalmo-pro.de/en/toriccalculator_en/)  
or scan the qr-code



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