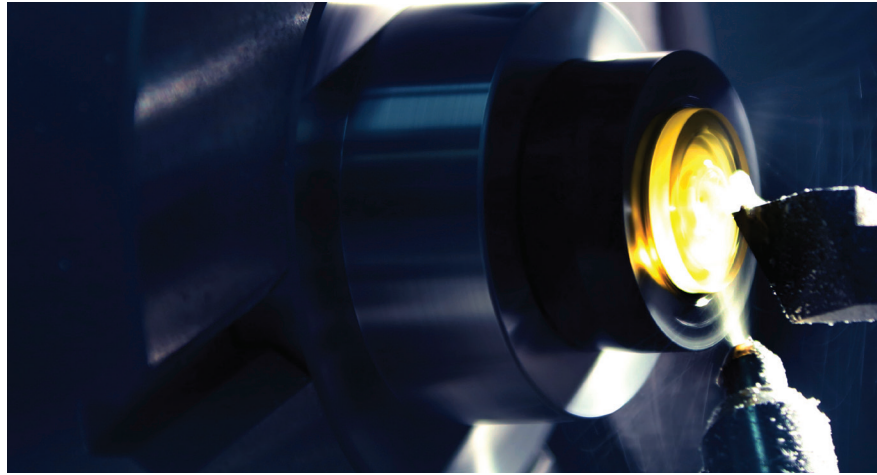


PhysiOL

ADVANCED OPTICAL SOLUTIONS

Beyond  
the limits  
of vision

Optical Solutions  
Overview



Beyond  
the limits  
of vision

# PhysIOL

ADVANCED OPTICAL SOLUTIONS

Created in 1986 from a spin-off of the University of Liège (Belgium) PhysIOL designs, manufactures and markets innovative intraocular lenses.

For more than 30 years, we have been striving to offer high performance optical solutions, meeting the strictest requirements, focusing on our mission, which is to improve the quality of sight, and therefore, the quality of life.

Our products are supplied to ophthalmic surgeons in over 70 countries, through a worldwide network. As a team and as a partner, we value proactivity, authenticity, respect, collective intelligence and commitment.

# Products overview

# Product families

## PREMIUM TRIFOCAL HYDROPHOBIC

FINEVISION TRIUMF  FINEVISION HP   
EDOF TRIFOCAL OPTIC TRIFOCAL OPTIC  
(Pod L GF) (Pod F GF)

## PREMIUM TRIFOCAL HYDROPHILIC

FINEVISION FINEVISION   
TRIFOCAL OPTIC TRIFOCAL OPTIC  
(Micro F/Pod F) (Pod FT)

## ISOFOCAL

ISOPURE   ISOPURE   
ISOFOCAL OPTIC ISOFOCAL OPTIC

## PREMIUM MONOFOCAL

ANKORIS   
MONOFOCAL OPTIC

## ENHANCED MONOFOCAL

MICROPURE   MICROPURE  PODEYE  MICRO+  MICRO+  
MONOFOCAL OPTIC MONOFOCAL OPTIC MONOFOCAL OPTIC MONOFOCAL OPTIC MONOFOCAL OPTIC

## STANDARD MONOFOCAL

SLIMFLEX  
MONOFOCAL OPTIC

## INJECTION SYSTEM



# Product categories

## G-free® hydrophobic material

FINEVISION TRIUMF   
EDOF TRIFOCAL OPTIC

FINEVISION HP   
TRIFOCAL OPTIC

ISOPURE  ISOPURE    
ISOFOCAL OPTIC ISOFOCAL OPTIC

MICROPURE  MICROPURE    
MONOFOCAL OPTIC MONOFOCAL OPTIC

PODEYE   
MONOFOCAL OPTIC

## Hydrophilic material

FINEVISION  
TRIFOCAL OPTIC

FINEVISION   
TRIFOCAL OPTIC

ANKORIS   
MONOFOCAL OPTIC

MICRO+  MICRO+  
MONOFOCAL OPTIC MONOFOCAL OPTIC

SLIMFLEX  
MONOFOCAL OPTIC

## POD Platform

FINEVISION TRIUMF   
EDOF TRIFOCAL OPTIC

FINEVISION HP   
TRIFOCAL OPTIC

FINEVISION  
TRIFOCAL OPTIC

FINEVISION   
TRIFOCAL OPTIC

ANKORIS   
MONOFOCAL OPTIC

PODEYE   
MONOFOCAL OPTIC

## MICRO Platform

FINEVISION  
TRIFOCAL OPTIC

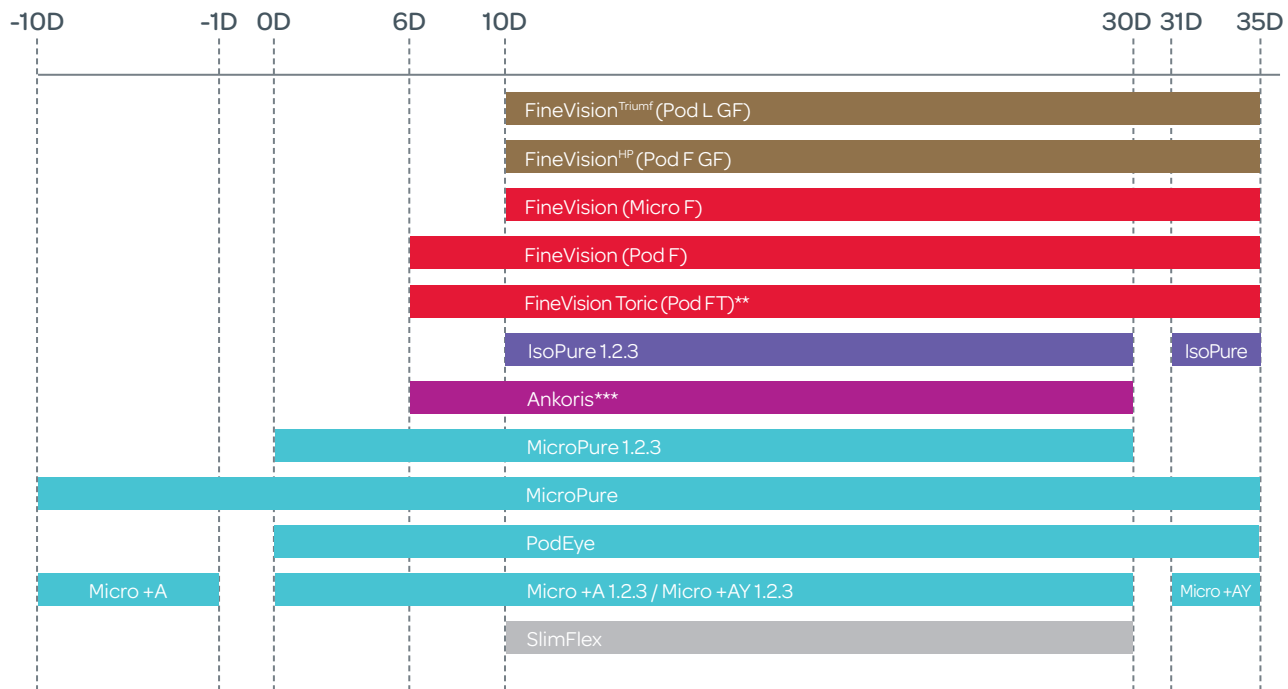
ISOPURE  ISOPURE    
ISOFOCAL OPTIC ISOFOCAL OPTIC

MICROPURE  MICROPURE    
MONOFOCAL OPTIC MONOFOCAL OPTIC

MICRO+  MICRO+  
MONOFOCAL OPTIC MONOFOCAL OPTIC

SLIMFLEX  
MONOFOCAL OPTIC

# Diometer range overview\*



\* Refer to our website for updates

\*\* Cylinder power: 1.00 - 1.50 - 2.25 - 3.00 - 3.75 - 4.50 - 5.25 - 6.00D

\*\*\* Cylinder power: from 6D to 9.5D spherical power: 1.50 - 2.25 - 3.00 - 3.75D (on demand: 4.50 - 5.25 - 6.00D)  
& from 10D to 30D spherical power: 1.50 - 2.25 - 3.00 - 3.75 - 4.50 - 5.25 - 6.00D

Premium  
trifocal  
hydrophobic




# FINEVISION TRIUMF

EDOF TRIFOCAL OPTIC



PREMIUM  
TRIFOCAL  
HYDROPHOBIC

Commercial name	<b>Pod L GF</b>		
Material	PhysIOL G-free® (hydrophobic acrylic glistening-free)		
LCA	Chromatic aberration-free* 		
Overall diameter	11.40 mm		
Optic diameter	6.00 mm		
Optic	Biconvex aspheric (-0.11μ SA)		
Haptic design	Double C-loop & RidgeTech®		
Filtration	UV & blue light		
Refractive index	1.52		
Abbe number	42		
Angulation	5°		
Additional power	Elongated depth of focus energy with + 1.75D & + 3.50D addition		
Injection system	Medicel Accuject 2.0 from 10D to 24.5D Medicel Accuject 2.1/2.2 from 25D to 35D		
Incision size	≥ 2.0 mm		
Spherical power	10D to 35D (0.5D steps)		
Square edge	360°		
Nominal manufacturer A constant	119.40		
<b>Suggested A constant</b> (Estimates only: surgeons are recommended to use their own values based upon their personal experience. Refer to our website for updates.)		<b>Interferometry</b>	<b>Ultrasound</b>
	<b>Hoffer Q: pACD</b>	5.85	5.59
	<b>Holladay 1: Sf</b>	2.06	1.80
	<b>Barrett: LF</b>	2.09	-
	<b>SRK/T: A</b>	119.40	119.05
	<b>Haigis (not optimized): a0; a1; a2</b>	1.70; 0.4; 0.1	1.214; 0.4; 0.1

\*For far and intermediate vision

Premium  
trifocal  
hydrophobic

# FINEVISION HP

TRIFOCAL OPTIC



PREMIUM  
TRIFOCAL  
HYDROPHOBIC

Commercial name	<b>Pod F GF</b>		
Material	PhysiOL G-free® (hydrophobic acrylic glistening-free)		
Overall diameter	11.40 mm		
Optic diameter	6.00 mm		
Optic	Biconvex aspheric (-0.11 $\mu$ SA) trifocal diffractive FineVision		
Haptic design	Double C-loop & RidgeTech®		
Filtration	UV & blue light		
Refractive index	1.52		
Abbe number	42		
Angulation	5°		
Additional power	+ 1.75D for intermediate vision & + 3.50D for near vision		
Injection system	Medicel Accuject 2.0 from 10D to 24.5D & Medicel Accuject 2.1/2.2 from 25D to 35D		
Incision size	$\geq$ 2.0 mm		
Spherical power	10D to 35D (0.5D steps)		
Square edge	360°		
Nominal manufacturer A constant	119.40		
<b>Suggested A constant</b> (Estimates only: surgeons are recommended to use their own values based upon their personal experience. Refer to our website for updates.)		<b>Interferometry</b>	<b>Ultrasound</b>
	<b>Hoffer Q: pACD</b>	5.85	5.59
	<b>Holladay 1: Sf</b>	2.06	1.80
	<b>Barrett: LF</b>	2.09	-
	<b>SRK/T: A</b>	119.40	119.05
	<b>Haigis (not optimized): a0; a1; a2</b>	1.70; 0.4; 0.1	1.214; 0.4; 0.1

Premium  
trifocal  
hydrophilic

# FINEVISION

## TRIFOCAL OPTIC



Commercial name	<b>Micro F</b>		
Material	25% hydrophilic acrylic		
Overall diameter	10.75 mm		
Optic diameter	6.15 mm		
Optic	Biconvex aspheric (-0.11 $\mu$ SA) trifocal diffractive FineVision		
Filtration	UV & blue light		
Refractive index	1.46		
Abbe number	58		
Angulation	5°		
Additional power	+ 1.75D for intermediate vision & + 3.50D for near vision		
Injection system	Medicel Viscoject Bio 1.8/2.2 & Medicel Accuject 1.8/2.0/2.1/2.2		
Incision size	$\geq$ 1.8 mm		
Spherical power	10D to 35D (0.5D steps)		
Square edge	360°		
Nominal manufacturer A constant	118.80		
Suggested A constant (Estimates only: surgeons are recommended to use their own values based upon their personal experience. Refer to our website for updates.)		<b>Interferometry</b>	<b>Ultrasound</b>
	<b>Hoffer Q: pACD</b>	5.35	5.26
	<b>Holladay 1: Sf</b>	1.60	1.48
	<b>Barrett: LF</b>	1.78	-
	<b>SRK/T: A</b>	118.80	118.59
	<b>Haigis (not optimized): a0; a1; a2</b>	1.36; 0.4; 0.1	1.04; 0.4; 0.1

# FINEVISION

## TRIFOCAL OPTIC



Commercial name	<b>Pod F</b>		
Material	26% hydrophilic acrylic		
Overall diameter	11.40 mm		
Optic diameter	6.00 mm		
Optic	Biconvex aspheric (-0.11 $\mu$ SA) trifocal diffractive FineVision		
Filtration	UV & blue light		
Refractive index	1.46		
Abbe number	58		
Angulation	5°		
Additional power	+ 1.75D for intermediate vision & + 3.50D for near vision		
Injection system	Medical Accuject 2.0 from 6D to 24.5D & Medical Accuject 2.1/2.2 from 25D to 35D		
Incision size	≥ 2.0 mm		
Spherical power	6D to 35D (0.5D steps)		
Square edge	360°		
Nominal manufacturer A constant	118.95		
<b>Suggested A constant</b> (Estimates only; surgeons are recommended to use their own values based upon their personal experience. Refer to our website for updates.)		<b>Interferometry</b>	<b>Ultrasound</b>
	<b>Hoffer Q: pACD</b>	5.59	5.35
	<b>Holladay 1: Sf</b>	1.83	1.57
	<b>Barrett: LF</b>	1.86	-
	<b>SRK/T: A</b>	118.95	118.73
	<b>Haigis (not optimized): a0; a1; a2</b>	1.36; 0.4; 0.1	1.13; 0.4; 0.1

# FINEVISION

## TRIFOCAL OPTIC



Commercial name	Pod FT							
Material	26% hydrophilic acrylic							
Overall diameter	11.40 mm							
Optic diameter	6.00 mm							
Optic	Biconvex aspheric (-0.11 $\mu$ SA) toric trifocal diffractive FineVision							
Filtration	UV & blue light							
Refractive index	1.46							
Abbe number	58							
Angulation	5°							
Additional power	+ 1.75D for intermediate vision & + 3.50D for near vision							
Injection system	Medicel Accuject 2.0 from 6D to 24.5D & Medicel Accuject 2.1/2.2 from 25D to 35D							
Incision size	≥ 2.0 mm							
Spherical power	6D to 35D (0.5D steps)							
Cylinder power (IOL plane)	1.00 - 1.50 - 2.25 - 3.00 - 3.75 - 4.50 - 5.25 - 6.00D							
Square edge	360°							
Nominal manufacturer A constant	118.95							
Suggested A constant (Estimates only; surgeons are recommended to use their own values based upon their personal experience. Refer to our website for updates.)				Interferometry			Ultrasound	
	Hoffer Q: pACD			5.59			5.35	
	Holladay 1: Sf			1.83			1.57	
	Barrett: LF			1.86			-	
	SRK/T: A			118.95			118.73	
Haigis (not optimized): a0; a1; a2			1.36; 0.4; 0.1			1.13; 0.4; 0.1		
	Pod FT 1.0	Pod FT 1.5	Pod FT 2.25	Pod FT 3.0	Pod FT 3.75	Pod FT 4.5	Pod FT 5.25	Pod FT 6.0
Cylinder power at IOL plane	1.00D	1.50D	2.25D	3.00D	3.75D	4.50D	5.25D	6.00D
Cylinder power at corneal plane	0.68D	1.03D	1.55D	2.06D	2.57D	3.08D	3.60D	4.11D
Recommended corneal astigmatism correction range	0.50D - 0.89D	0.90D - 1.28D	1.29D - 1.80D	1.81D - 2.32D	2.33D - 2.82D	2.83D - 3.33D	3.34D - 3.85D	3.86D - 4.36D

Isofocal



# ISOPURE

ISOFOCAL OPTIC



Commercial name	<b>IsoPure 123</b>		
Material	PhysiOL G-free® (hydrophobic acrylic glistening-free)		
Overall diameter	10D to 24.5D: 11.00 mm 25D to 30D: 10.75 mm		
Optic diameter	10D to 24.5D: 6.00 mm 25D to 30D: 5.75 mm		
Optic	Isofocal surface design		
Filtration	UV & blue light		
Refractive index	1.52		
Abbe number	42		
Injection system	PhysiOL 1.2.3		
Incision size	≥ 2.2 mm		
Spherical power	10D to 30D (0.5D steps) Cartridge with PRS® technology		
Square edge	360°		
Nominal manufacturer A constant	119.40		
<b>Suggested A constant</b> (Estimates only; surgeons are recommended to use their own values based upon their personal experience. Refer to our website for updates.)		<b>Interferometry</b>	<b>Ultrasound</b>
	<b>Hoffer Q: pACD</b>	5.85	5.59
	<b>Holladay 1: Sf</b>	2.06	1.80
	<b>Barrett: LF</b>	2.09	-
	<b>SRK/T: A</b>	119.40	119.05
	<b>Haigis (not optimized): a0; a1; a2</b>	1.70; 0.4; 0.1	1.214; 0.4; 0.1
	<b>IsoPure non-preloaded</b>		
Spherical power	31D to 35D (1D steps)		
Injection system	Accuject 2.0/2.1/2.2		

Premium  
monofocal

# ANKORIS

## MONOFOCAL OPTIC



Commercial name	<b>Ankoris</b>						
Material	26% hydrophilic acrylic						
Overall diameter	11.40 mm						
Optic diameter	6.00 mm						
Optic	Biconvex aspheric aberration-correcting (-0.11 $\mu$ SA)						
Filtration	UV & blue light						
Refractive index	1.46						
Abbe number	58						
Angulation	5°						
Injection system	Medical Accuject 2.0 from 6D to 24.5D & Medical Accuject 2.1/2.2 from 25D to 30D						
Incision size	≥ 2.0 mm						
Spherical power	6D to 30D						
Cylinder power (IOL plane)	6D to 9.5D spherical power: 1.50 – 2.25 - 3.00 - 3.75D (on demand: 4.50 - 5.25 - 6.00D) 10D to 30D spherical power: 1.50 – 2.25 - 3.00 - 3.75 - 4.50 - 5.25 - 6.00D						
Square edge	360°						
Nominal manufacturer A constant	118.95						
Suggested A constant (Estimates only; surgeons are recommended to use their own values based upon their personal experience. Refer to our website for updates.)			Interferometry			Ultrasound	
	Hoffer Q: pACD		5.59			5.35	
	Holladay 1: Sf		1.83			1.57	
	Barrett: LF		1.86			-	
	SRK/T: A		118.95			118.73	
	Haigis (not optimized): a0; a1; a2		1.36; 0.4; 0.1			1.13; 0.4; 0.1	
Cylinder power at IOL plane	Ankoris 1.5	Ankoris 2.25	Ankoris 3.0	Ankoris 3.75	Ankoris 4.5	Ankoris 5.25	Ankoris 6.0
	1.50D	2.25D	3.00D	3.75D	4.50D	5.25D	6.00D
Cylinder power at corneal plane	1.03D	1.55D	2.06D	2.57D	3.08D	3.60D	4.11D
Recommended corneal astigmatism correction range	0.90D - 1.28D	1.29D - 1.80D	1.81D - 2.32D	2.33D - 2.82D	2.83D - 3.33D	3.34D - 3.85D	3.86D - 4.36D



# MICROPURE

MONOFOCAL OPTIC

1.2.3

G·FREE



Commercial name	<b>MicroPure 123</b>		
Material	PhysIOL G-free® (hydrophobic acrylic glistening-free)		
Overall diameter	OD to 24.5D: 11.00 mm 25D to 30D: 10.75 mm		
Optic diameter	OD to 24.5D: 6.00 mm 25D to 30D: 5.75 mm		
Optic	Biconvex aspheric aberration-correcting (-0.11 $\mu$ SA)		
Filtration	UV & blue light		
Refractive index	1.52		
Abbe number	42		
Angulation	2°		
Injection system	PhysIOL 1.2.3		
Incision size	≥ 2.2 mm		
Spherical power	OD to 9D (1D steps) & 10D to 30D (0.5D steps) Cartridge with PRS® technology		
Square edge	360°		
Nominal manufacturer A constant	119.40		
Suggested A constant (Estimates only: surgeons are recommended to use their own values based upon their personal experience. Refer to our website for updates.)		<b>Interferometry</b>	<b>Ultrasound</b>
	<b>Hoffer Q: pACD</b>	5.85	5.59
	<b>Holladay 1: Sf</b>	2.06	1.80
	<b>Barrett: LF</b>	2.09	-
	<b>SRK/T: A</b>	119.40	119.05
	<b>Haigis (not optimized): a0; a1; a2</b>	1.70; 0.4; 0.1	1.214; 0.4; 0.1
	<b>MicroPure non-preloaded</b>		
Spherical power	-10D to 9D (1D steps) & 10D to 30D (0.5D steps) & 31D to 35D (1D steps)		
Injection system	Medical Accuject 1.8 from -10D to 24.5D & Accuject 2.0/2.1/2.2 from 25D to 35D		

# PODEYE

MONOFOCAL OPTIC

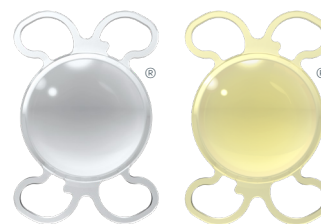


Commercial name	<b>PodEye</b>		
Material	PhysIOL G-free® (hydrophobic acrylic glistening-free)		
Overall diameter	11.40 mm		
Optic diameter	6.00 mm		
Optic	Biconvex aspheric aberration-correcting (-0.11 $\mu$ SA)		
Haptic design	Double C-loop & RidgeTech®		
Filtration	UV & blue light		
Refractive index	1.52		
Abbe number	42		
Angulation	5°		
Injection system	Medicel Accuject 2.0 from OD to 24.5D Medicel Accuject 2.1/2.2 from 25D to 35D		
Incision size	≥ 2.0 mm		
Spherical power	OD to 9D & 31D to 35D (1D steps) 10D to 30D (0.5D steps)		
Square edge	360°		
Nominal manufacturer A constant	119.40		
<b>Suggested A constant</b> (Estimates only; surgeons are recommended to use their own values based upon their personal experience. Refer to our website for updates.)		<b>Interferometry</b>	<b>Ultrasound</b>
	<b>Hoffer Q: pACD</b>	5.85	5.59
	<b>Holladay 1: Sf</b>	2.06	1.80
	<b>Barrett: LF</b>	2.09	-
	<b>SRK/T: A</b>	119.40	119.05
	<b>Haigis (not optimized): a0; a1; a2</b>	1.70; 0.4; 0.1	1.214; 0.4; 0.1

# MICRO+

MONOFOCAL OPTIC

1.2.3



Commercial name	Micro+ A 123	Micro+ AY 123	
Material	26% hydrophilic acrylic		
Overall diameter	10.75 mm		
Optic diameter	6.15 mm		
Optic	Biconvex aspheric aberration-correcting (-0.11 $\mu$ SA)		
Filtration	UV	UV & blue light	
Refractive index	1.46		
Abbe number	58		
Angulation	5°		
Injection system	PhysIOL 1.2.3		
Incision size	≥ 2.2 mm		
Spherical power	OD to 9D (1D steps) & 10D to 30D (0.5D steps)		
Square edge	360°		
Nominal manufacturer A constant	118.90		
Suggested A constant (Estimates only; surgeons are recommended to use their own values based upon their personal experience. Refer to our website for updates.)		Interferometry	Ultrasound
	Hoffer Q: pACD	5.52	5.26
	Holladay 1: Sf	1.74	1.48
	Barrett: LF	1.83	-
	SRK/T: A	118.90	118.59
	Haigis (not optimized): a0; a1; a2	1.36; 0.4; 0.1	1.04; 0.4; 0.1
Extreme diopters available non-preloaded with Medical Accuject 1.8/2.0/2.1/2.2 injection systems			
Commercial name	Micro+ A	Micro+ AY	
Spherical power	-10D to -1D & 31D to 35D (1D steps)	31D to 35D (1D steps)	





# SLIMFLEX

## MONOFOCAL OPTIC



Commercial name	<b>SlimFlex</b>		
Material	26% hydrophilic acrylic		
Overall diameter	10.50 mm		
Optic diameter	6.00 mm		
Filtration	UV		
Refractive index	1.46		
Abbe number	58		
Angulation	5°		
Injection system	Medicel Viscoject Eco 2.2		
Incision size	≥ 2.2 mm		
Spherical power	10D to 30D (0.5D steps)		
Square edge	360°		
Nominal manufacturer A constant	118.90		
<b>Suggested A constant</b> (Estimates only: surgeons are recommended to use their own values based upon their personal experience. Refer to our website for updates.)		<b>Interferometry</b>	<b>Ultrasound</b>
	<b>Hoffer Q: pACD</b>	5.52	5.26
	<b>Holladay 1: Sf</b>	1.74	1.48
	<b>Barrett: LF</b>	1.83	-
	<b>SRK/T: A</b>	118.90	118.59
	<b>Haigis (not optimized): a0; a1; a2</b>	1.36; 0.4; 0.1	1.04; 0.4; 0.1



# Online **Toric Calculator** by PhysIOL with Abulafia-Koch regression formula

PhysIOL assists surgeons with the most precise and reliable IOL calculations in order to achieve the utmost satisfaction level of patients with corneal astigmatism.

The suggested calculation method with the A-K regression Formula helps physicians select the appropriate toric IOL model and as such improves toric outcomes in astigmatic patients. The calculator also offers the possibility to use the Standard K calculation method.

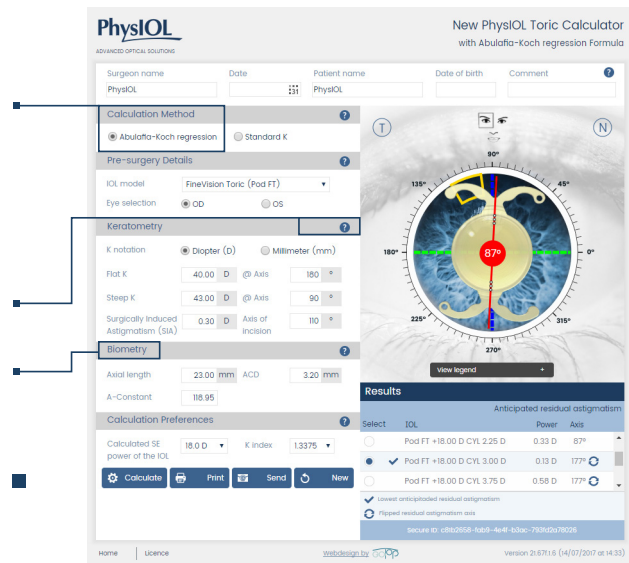
**User-friendly and intuitive interface** integrating following features:

**Abulafia-Koch regression Formula<sup>1</sup>**, which reportedly theoretically accounts for posterior corneal astigmatism. This calculation method uses the standard keratometry measurements (anterior K values) and estimates the total corneal astigmatism based on the Abulafia-Koch regression formula to improve the prediction of postoperative astigmatic outcome.

A **HELP-button** explaining each parameter to be filled in.

**Predictive patient-specific effective lens position (ELP)** which improves the preoperative refractive predictability.

**Mobile responsiveness:** the calculator is compatible with Android and iOS mobile devices.



<sup>1</sup>A. Abulafia, DD Koch, L. Wang, WE Hill, El Assia, M. Franchina, GD Barrett. New regression formula for toric intraocular lens calculations. J Cataract Refract Surg 2016; 42:663–671

# Injection systems

	PHYSIOL 1.2.3	ACCUJECT 1.8	VISCOJECT BIO1.8	ACCUJECT 2.0	ACCUJECT 2.1/2.2	VISCOJECT BIO2.2	VISCOJECT ECO2.2
FINEVISION TRIUMF (POD L GF)				✓*	✓		
FINEVISION HP (POD F GF)				✓*	✓		
FINEVISION TORIC (POD FT)				✓*	✓		
FINEVISION (MICRO F)		✓	✓	✓	✓	✓	
FINEVISION (POD F)				✓*	✓		
ISOPURE 1.2.3	✓						
ISOPURE				✓	✓		
ANKORIS				✓*	✓		
MICROPURE 1.2.3	✓						
MICROPURE **		✓*		✓	✓		
PODEYE				✓*	✓		
MICRO+ A 1.2.3	✓						
MICRO+ AY 1.2.3	✓						
MICRO+ A **		✓*	✓*	✓	✓		
MICRO+ AY				✓	✓		
SLIMFLEX							✓

\* < 25 D

\*\* available in negative diopters



Beyond  
the limits  
of vision



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[www.physiol.eu](http://www.physiol.eu)

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