



IOL PORTFOLIO

Intraocular Solutions Overview



**HYDROPHOBIC
GFY IOLS**



THE FUTURE IN FOCUS

Service and support throughout your cataract surgery pathway.

BVI has grown to be a highly regarded ophthalmic device manufacturer offering a broad portfolio of products, including monofocal and premium Intraocular Lenses (IOLs), a full range of ophthalmic single use consumables, surgical fluids, phaco systems and custom procedure packs. BVI provides innovative and high quality products that perform consistently and predictably for surgeons across the globe.

For over three decades we have been leading the way in the design and development of IOLs, and we continue to prioritize three key areas:

- Striving to offer high-performance optical solutions.
- Meeting the strictest requirements for medical device directives and regulations.
- Focusing to improve the quality of sight and therefore, the quality of life.


Unburdened by legacy or bureaucracy, we have developed our strategy around a simple concept — **taking pride in delivering innovative solutions for our physicians and patients, based on their needs.**

We trust and empower our associates to make decisions and solve problems because collaboration drives us. Valuing agility, simplicity, and transparency, **we stay committed to listening to our customers, delivering for our patients, and keeping the future in focus.**


Product families

GFY HYDROPHOBIC MATERIAL

PREMIUM TRIFOCAL - FINE TECHNOLOGY




FINEVISION HP
TRIFOCAL OPTIC TORIC




FINEVISION HP
TRIFOCAL OPTIC


PREMIUM MONOFOCAL - ISOFOCAL TECHNOLOGY




ISOPURE SERENITY
PREMIUM MONOFOCAL IOL TORIC



ISOPURE SERENITY
PREMIUM MONOFOCAL IOL




ISOPURE
Uncompromised. Extended. Simplified. 1.2.3




ISOPURE
Uncompromised. Extended. Simplified.

MONOFOCAL TORIC




PODEYE
MONOFOCAL OPTIC TORIC


MONOFOCAL



PODEYE
MONOFOCAL OPTIC

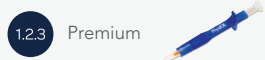


MICROPURE
MONOFOCAL OPTIC 1.2.3

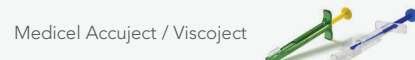


MICROPURE
MONOFOCAL OPTIC


INJECTION SYSTEM




1.2.3 Premium



Medicel Accuject / Viscoject

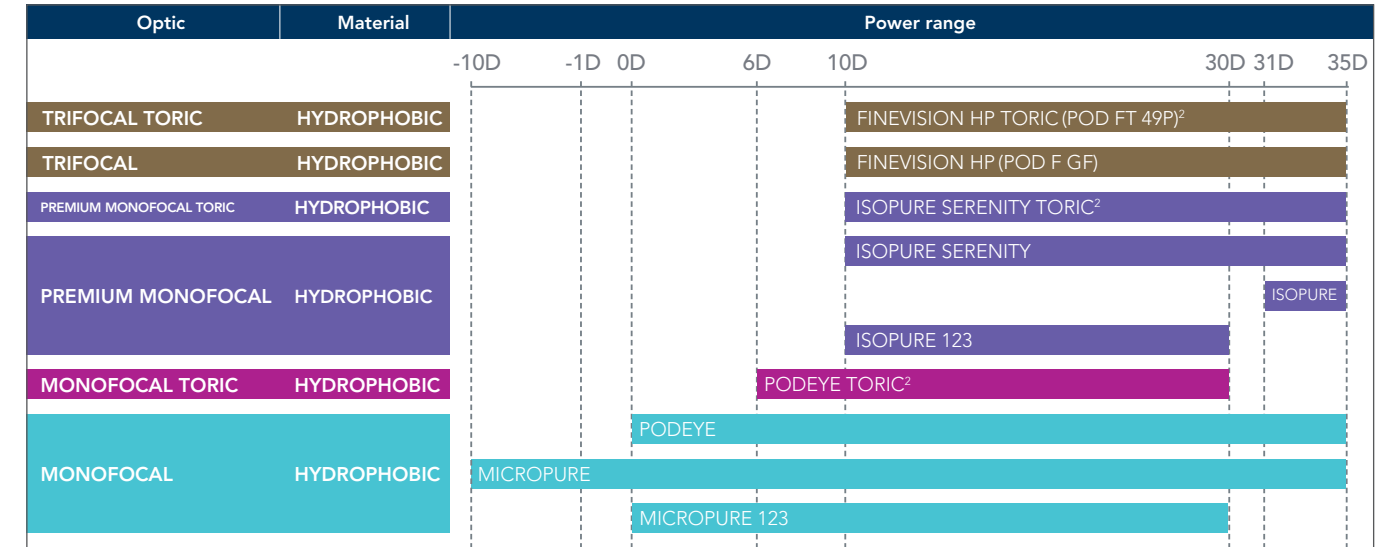


MICRO Platform



POD Platform

Diopter Range Overview¹



¹ Refer to our website for updates | ² Cylinder power: 1.00 - 1.50 - 2.25 - 3.00 - 3.75 - 4.50 - 5.25 - 6.00D | Please check the lens availability with your sales representative

Injection Systems

Optic	Material	Brand	Commercial Name	Injection system				
				Viscoject Bio 1.8 Accuject 1.8	Accuject 2.0	Accuject 2.1	Accuject 2.2	123 Premium
TRIFOCAL TORIC	HYDROPHOBIC	FINEVISION HP TORIC	POD FT 49P			≤ 35D	≤ 35D	
TRIFOCAL	HYDROPHOBIC	FINEVISION HP	POD F GF		≤ 24.5D	≤ 35D	≤ 35D	
PREMIUM MONOFOCAL TORIC	HYDROPHOBIC	ISOPURE SERENITY TORIC	PODST49P			≤ 35D	≤ 35D	
PREMIUM MONOFOCAL	HYDROPHOBIC	ISOPURE SERENITY	PODS49P			≤ 35D	≤ 35D	
		ISOPURE	ISOPURE		≤ 35D	≤ 35D	≤ 35D	
		ISOPURE 1.2.3	ISOPURE 123					
MONOFOCAL TORIC	HYDROPHOBIC	PODEYE TORIC	PODEYE TORIC			≤ 30D	≤ 30D	
MONOFOCAL	HYDROPHOBIC	PODEYE	PODEYE		≤ 24.5D	≤ 35D	≤ 35D	
		MICROPURE	MICROPURE	≤ 24.5D ³	≤ 35D	≤ 35D	≤ 35D	
		MICROPURE 1.2.3	MICROPURE 123					

³ Only Accuject 1.8
Please check the lens availability with your sales representative

Note :

The intraocular lenses are not FDA approved. Please check the lens availability with your sales representative.

The ISOPURE 123 and MICROPURE 123 lenses are delivered preloaded in a cartridge, which is simply clipped to the SINGLE-USE INJECTOR 1.2.3 PREMIUM. If you need the SINGLE-USE INJECTOR 1.2.3 PREMIUM, please check the availability of products in your market with your sales representative.

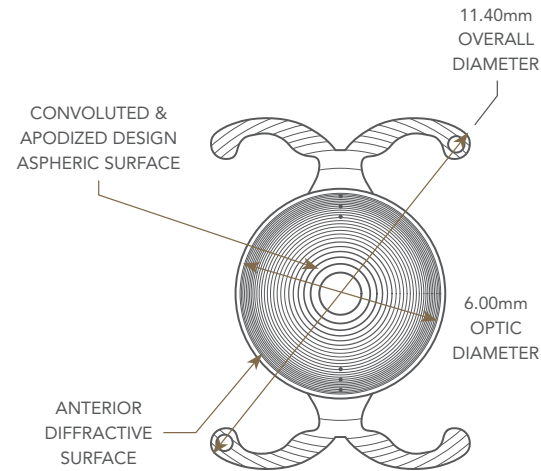


Trifocal Toric

FINEVISION HP



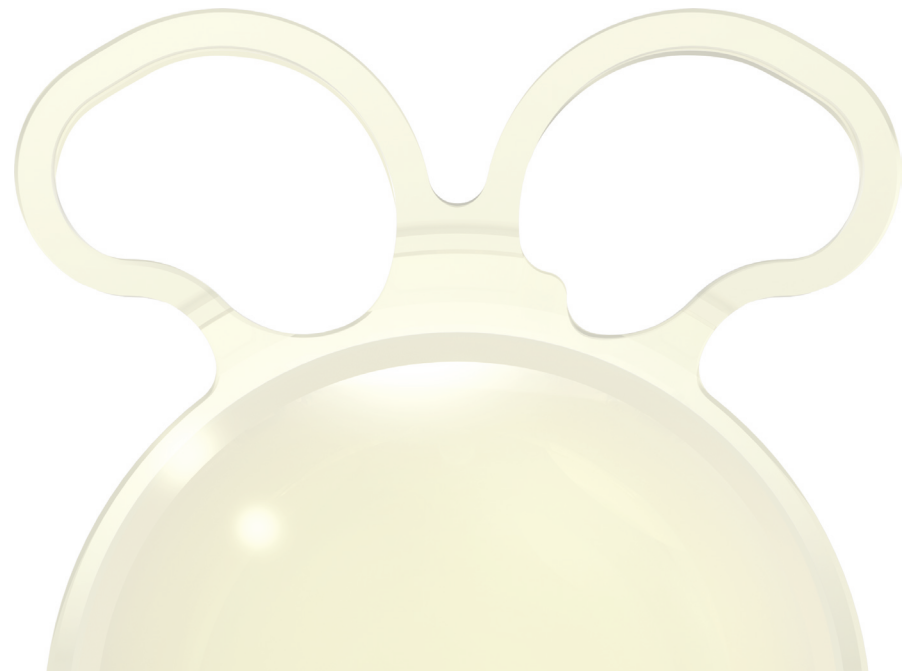
TRIFOCAL OPTIC



Trifocal Toric Hydrophobic

Model	POD FT 49P								
Material	GFY Hydrophobic Acrylic ¹								
Overall diameter	11.40mm								
Optic diameter	6.00mm								
Optic	Biconvex Aspheric Toric Trifocal								
Haptic design	POD (Double C-loop) with Ridgetech® & Posterior Angulated Haptic								
Filtration	UV & Blue Light								
Refractive index	1.53								
Abbe number	42								
Additional power (IOL plane)	+1.75D & +3.50D								
Injection system	Medical Accuject 2.1/2.2								
Spherical power ⁴	+10D to +35D (0.5D steps)								
Cylinder power (IOL plane) ⁴	1.00 - 1.50 - 2.25 - 3.00 - 3.75 - 4.50 - 5.25 - 6.00D								
Suggested A constant ²					Interferometry				
	Hoffer Q: pACD				5.85				
	Holladay 1: Sf				2.06				
	Barrett: LF				2.09				
	SRK/T: A				119.40				
	Haigis ³ : a0; a1; a2				1.70; 0.4; 0.1				
Cylinder power at IOL plane	POD FT 49P 1.0	POD FT 49P 1.5	POD FT 49P 2.25	POD FT 49P 3.0	POD FT 49P 3.75	POD FT 49P 4.5	POD FT 49P 5.25	POD FT 49P 6.0	
	1.00D	1.50D	2.25D	3.00D	3.75D	4.50D	5.25D	6.00D	
Cylinder power at corneal plane ⁵	0.68D	1.03D	1.55D	2.06D	2.57D	3.08D	3.60D	4.11D	

¹ The BVI GFY® is patented since 2010. Patent number: EP1830898. | ² Values estimated only: surgeons are recommended to personalize their A-constant based on their surgical techniques and equipment, experience with the lens model and postoperative results. | ³ Not optimized. | ⁴ Please check the availability of spherical and cylinder powers with your sales representative. | ⁵ Savini G., J Cataract Refract Surg 2013; 39:1900–1903.

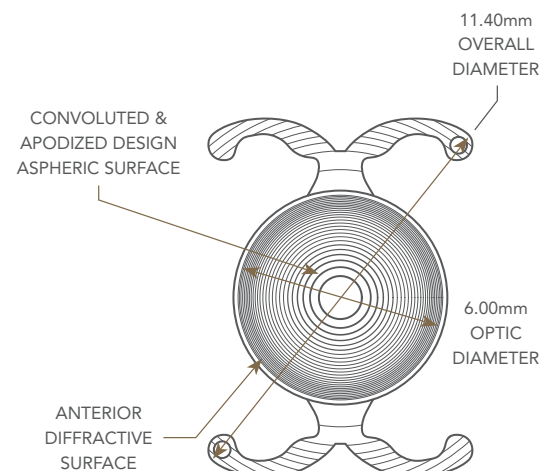


Trifocal



FINEVISION HP

TRIFOCAL OPTIC



Trifocal Hydrophobic

Model	POD F GF	
Material	GFY Hydrophobic Acrylic ¹	
Overall diameter	11.40mm	
Optic diameter	6.00mm	
Optic	Biconvex Aspheric Trifocal	
Haptic design	POD (Double C-loop) with Ridgetech® & Posterior Angulated Haptic	
Filtration	UV & Blue Light	
Refractive index	1.53	
Abbe number	42	
Additional power (IOL plane)	+1.75D & +3.50D	
Injection system	Medical Accuject 2.0 up to 24.5D Medical Accuject 2.1/2.2 up to 35D	
Spherical power ⁴	+10D to +35D (0.5D steps)	
Suggested A constant ²	Interferometry	
	Hoffer Q: pACD	5.85
	Holladay 1: Sf	2.06
	Barrett: LF	2.09
	SRK/T: A	119.40
	Haigis ³ : a0; a1; a2	1.70; 0.4; 0.1

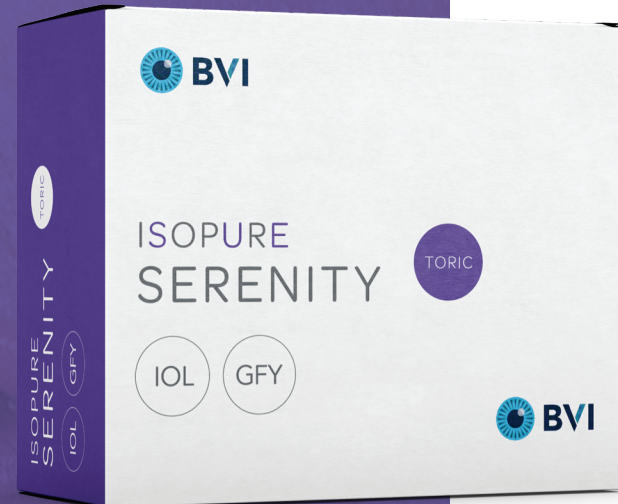
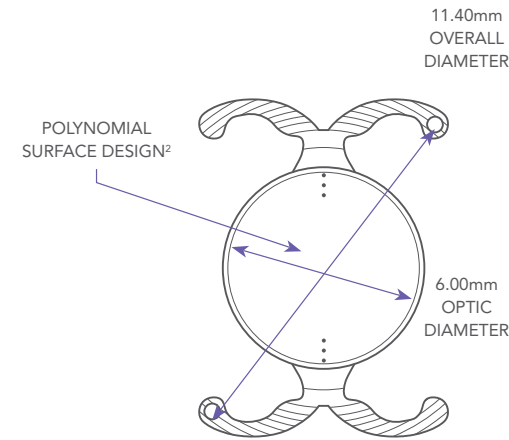
¹ The BVI GFY® is patented since 2010. Patent number: EP1830898. | ² Values estimated only: surgeons are recommended to personalize their A-constant based on their surgical techniques and equipment, experience with the lens model and postoperative results. | ³ Not optimized. | ⁴ Please check the availability of spherical powers with your sales representative.



Premium Monofocal Toric

ISOPURE SERENITY

PREMIUM MONOFOCAL IOL



Premium Monofocal Toric Hydrophobic

Model	ISOPURE SERENITY TORIC							
Material	GFY Hydrophobic Acrylic ¹							
Overall diameter	11.40mm							
Optic diameter	6.00mm							
Optic	Polynomial Surface Design							
Haptic design	Double C-loop with Ridgetech [®] & Posterior Angulated Haptic							
Filtration	UV & Blue Light							
Refractive index	1.53							
Abbe number	42							
Injection system	Medicel Accuject 2.1 / 2.2							
Spherical power ⁴	+10D to +30D (0.5D steps) +31D to +35D (1D steps)							
Cylinder power (IOL plane) ⁴	1.00 - 1.50 - 2.25 - 3.00 - 3.75 - 4.50 - 5.25 - 6.00D							
Suggested A constant ³								Interferometry
	Hoffer Q: pACD							5.85
	Holladay 1: Sf							2.06
	Barrett: LF							2.09
	SRK/T: A							119.40
	Haigis: a0; a1; a2							1.70; 0.4; 0.1
Cylinder power at IOL plane	SERENITY TORIC 1.0	SERENITY TORIC 1.5	SERENITY TORIC 2.25	SERENITY TORIC 3.0	SERENITY TORIC 3.75	SERENITY TORIC 4.5	SERENITY TORIC 5.25	SERENITY TORIC 6.0
	1.00D	1.50D	2.25D	3.00D	3.75D	4.50D	5.25D	6.00D
Cylinder power at corneal plane ⁵	0.68D	1.03D	1.55D	2.06D	2.57D	3.08D	3.60D	4.11D

¹ The BVI GFY[®] is patented since 2010.

² The ISOFOCAL Polynomial Surface Design has been patented since 2020.

³ Values estimated only: surgeons are recommended to personalize their A-constant based on their surgical techniques and equipment, experience with the lens model and postoperative results.

⁴ Please check the availability of spherical and cylinder powers with your sales representative.

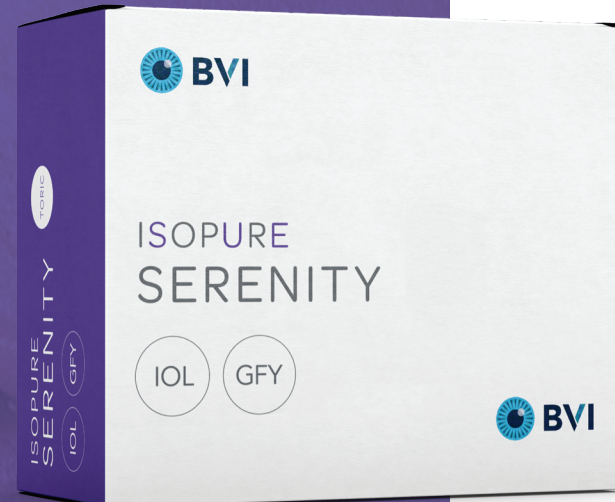
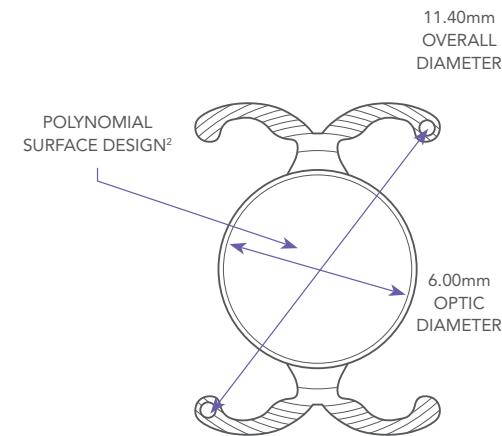
⁵ Savini G., J Cataract Refract Surg 2013; 39:1900-1903.



Premium Monofocal

ISOPURE SERENITY

PREMIUM MONOFOCAL IOL



Premium Monofocal Hydrophobic

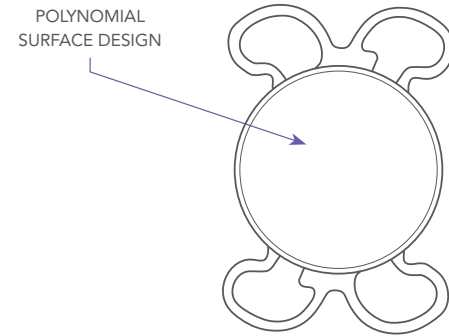
Model	ISOPURE SERENITY	
Material	GFY Hydrophobic Acrylic ¹	
Overall diameter	11.40mm	
Optic diameter	6.00mm	
Optic	Polynomial Surface Design	
Haptic design	Double C-Loop with Ridgetech® & Posterior Angulated Haptic	
Filtration	UV & Blue Light	
Refractive index	1.53	
Abbe number	42	
Injection system	Medicel Accuject 2.1 / 2.2	
Spherical power ⁴	+10D to +30D (0.5D steps) +31D to +35D (1D steps)	
Suggested A constant ³	Interferometry	
	Hoffer Q: pACD	5.85
	Holladay 1: Sf	2.06
	Barrett: LF	2.09
	SRK/T: A	119.40
	Haigis: a0; a1; a2	1.70; 0.4; 0.1

¹ The BVI GFY® is patented since 2010.

² The ISOFOCAL Polynomial Surface Design has been patented since 2020

³ Values estimated only; surgeons are recommended to personalize their A-constant based on their surgical techniques and equipment, experience with the lens model and postoperative results.

⁴ Please check the availability of spherical powers with your sales representative.



Preloaded Premium Monofocal Hydrophobic

ISOPURE

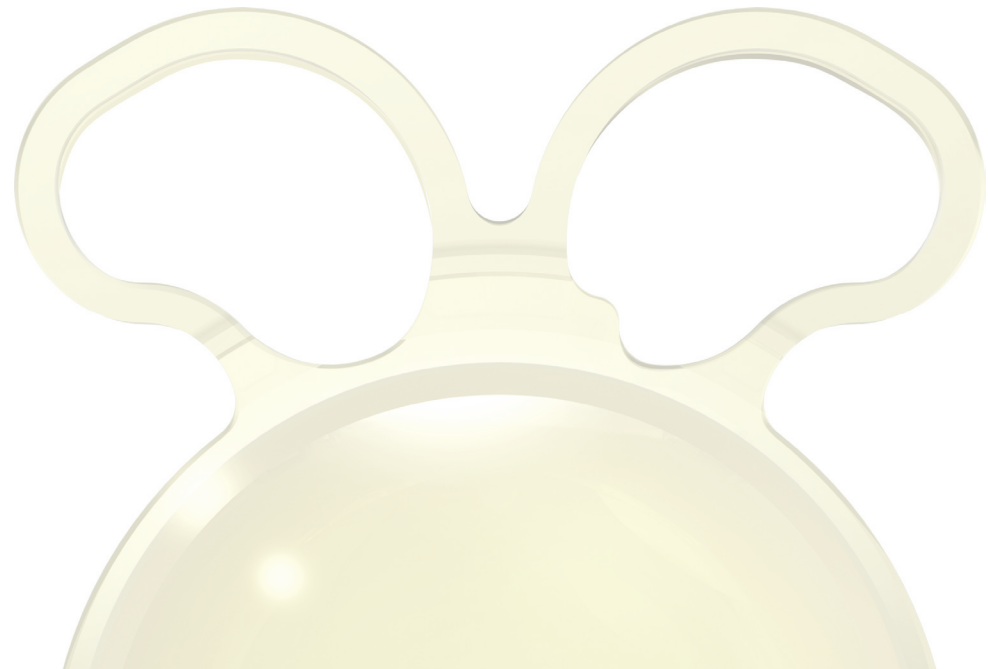
1.2.3

Uncompromised. Extended. Simplified.



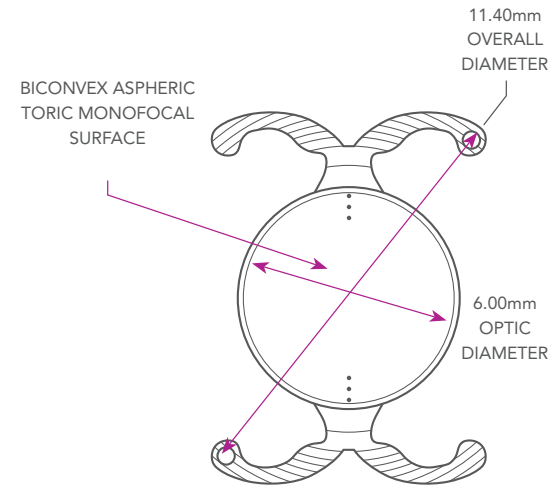
Model	ISOPURE 123	
Material	GFY Hydrophobic Acrylic ¹	
Overall diameter	10D to 24.5D: 11.00mm 25D to 30D: 10.75mm	
Optic diameter	10D to 24.5D: 6.00mm 25D to 30D: 5.75mm	
Optic	Polynomial Surface Design	
Haptic design	MICRO (closed loop quadripode) & Posterior Angulated Haptic	
Filtration	UV & Blue Light	
Refractive index	1.53	
Abbe number	42	
Injection system	SINGLE-USE INJECTOR 1.2.3 PREMIUM	
Spherical power ⁴	+10D to +30D (0.5D steps) Cartridge with PRS [®] technology	
Suggested A constant ²	Interferometry	
	Hoffer Q: pACD	5.85
	Holladay 1: Sf	2.06
	Barrett: LF	2.09
	SRK/T: A	119.40
	Haigis ³ : a0; a1; a2	1.70; 0.4; 0.1
	ISOPURE	
Overall diameter	10.75mm	
Optic diameter	5.75mm	
Injection system	Medicel Accuject 2.0 / 2.1 / 2.2mm	
Spherical power ⁴	+31D to +35D (1D steps)	

¹ The BVI GFY[®] is patented since 2010. Patent number: EP1830898. | ² Values estimated only: surgeons are recommended to personalize their A-constant based on their surgical techniques and equipment, experience with the lens model and postoperative results. | ³ Not optimized. | ⁴ Please check the availability of spherical powers with your sales representative.



Monofocal Toric

TORIC CALCULATOR:
TORIC.BVIMEDICAL.COM - SEE P. 36



Monofocal Toric Hydrophobic

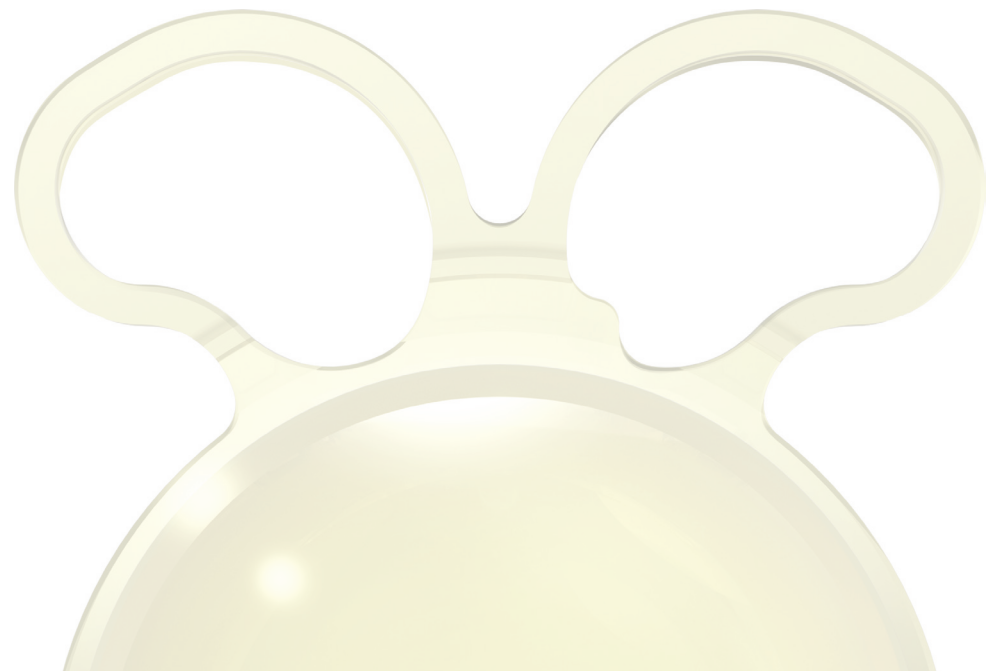
PODEYE MONOFOCAL OPTIC



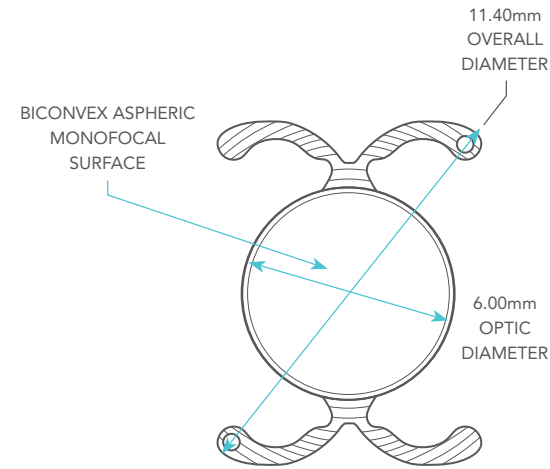
Model	PODEYE TORIC							
Material	GFY Hydrophobic Acrylic ¹							
Overall diameter	11.40mm							
Optic diameter	6.00mm							
Optic	Biconvex Aspheric Toric Monofocal							
Haptic design	Double C-loop with Ridgetech® & Posterior Angulated Haptic							
Filtration	UV & Blue Light							
Refractive index	1.53							
Abbe number	42							
Injection system	Medical Accuject 2.1 / 2.2							
Spherical power ⁴	+6D to +30D (0.5D steps)							
Cylinder power (IOL plane) ⁴	1.00 - 1.50 - 2.25 - 3.00 - 3.75 - 4.50 - 5.25 - 6.00D							
Suggested A constant ²					Interferometry			
	Hoffer Q: pACD				5.85			
	Holladay 1: Sf				2.06			
	Barrett: LF				2.09			
	SRK/T: A				119.40			
	Haigis ³ : a0; a1; a2				1.70; 0.4; 0.1			
Cylinder power at IOL plane	PODEYE TORIC 1.0	PODEYE TORIC 1.5	PODEYE TORIC 2.25	PODEYE TORIC 3.0	PODEYE TORIC 3.75	PODEYE TORIC 4.5	PODEYE TORIC 5.25	PODEYE TORIC 6.0
Cylinder power at corneal plane ⁵	1.00D	1.50D	2.25D	3.00D	3.75D	4.50D	5.25D	6.00D
	0.68D	1.03D	1.55D	2.06D	2.57D	3.08D	3.60D	4.11D

¹ The BVI GFY® is patented since 2010. Patent number: EP1830898. | ² Values estimated only: surgeons are recommended to personalize their A-constant based on their surgical techniques and equipment, experience with the lens model and postoperative results. | ³ Not optimized. | ⁴ Please check the availability of spherical and cylinder powers with your sales representative. | ⁵ Savini G., J Cataract Refract Surg 2013; 39:1900–1903.

TORIC CALCULATOR:
TORIC.BVIMEDICAL.COM - SEE P. 36



Monofocal



Monofocal Hydrophobic

PODEYE MONOFOCAL OPTIC

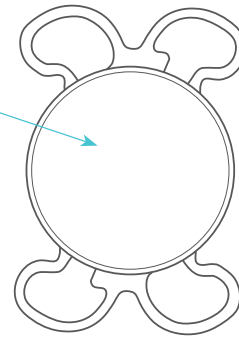


Model	PODEYE	
Material	GFY Hydrophobic Acrylic ¹	
Overall diameter	11.40mm	
Optic diameter	6.00mm	
Optic	Biconvex Aspheric Monofocal	
Haptic design	POD (Double-C-loop) haptic design & Posterior Angulated Haptic	
Filtration	UV & Blue Light	
Refractive index	1.53	
Abbe number	42	
Injection system	Medicel Accuject 2.0 up to 24.5D Medicel Accuject 2.1/2.2 up to 35D	
Spherical power ⁴	+10D to +30D (0.5D steps) 0D to +9D & +31D to +35D (1D steps)	
Suggested A constant ²	Interferometry	
	Hoffer Q: pACD	5.85
	Holladay 1: Sf	2.06
	Barrett: LF	2.09
	SRK/T: A	119.40
	Haigis ³ : a0; a1; a2	1.70; 0.4; 0.1

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BICONVEX ASPHERIC
MONOFOCAL
SURFACE



Preloaded Monofocal Hydrophobic

MICROPURE

1.2.3

MONOFOCAL OPTIC

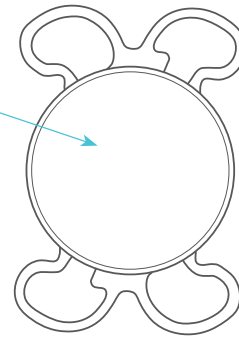


Model	MICROPURE 123	
Material	GFY Hydrophobic Acrylic ¹	
Overall diameter	0D to 24.5D: 11.00mm 25D to 30D: 10.75mm	
Optic diameter	0D to 24.5D: 6.00mm 25D to 30D: 5.75mm	
Optic	Biconvex Aspheric Monofocal	
Haptic design	MICRO (closed loop quadripode) & Posterior Angulated Haptic	
Filtration	UV & Blue Light	
Refractive index	1.53	
Abbe number	42	
Injection system	SINGLE-USE INJECTOR 1.2.3 PREMIUM	
Spherical power⁴	0D to +9D (1D steps) & +10D to +30D (0.5D steps) Cartridge with PRS technology	
Suggested A constant²	Interferometry	
	Hoffer Q: pACD	5.85
	Holladay 1: Sf	2.06
	Barrett: LF	2.09
	SRK/T: A	119.40
	Haigis³: a0; a1; a2	1.70; 0.4; 0.1

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BICONVEX ASPHERIC
MONOFOCAL
SURFACE



Monofocal Hydrophobic

MICROPURE

MONOFOCAL OPTIC



Model	MICROPURE	
Material	GFY Hydrophobic Acrylic ¹	
Overall diameter	-10D to 24.5D: 11.00mm 25D to 35D: 10.75mm	
Optic diameter	-10D to 24.5D: 6.00mm 25D to 35D: 5.75mm	
Optic	0D to +35.0D: Biconvex Aspheric Monofocal -10.0D to -1.0D: Negative Meniscus Aspheric Monofocal	
Haptic design	MICRO (closed loop quadrupole) & Posterior Angulated Haptic	
Filtration	UV & Blue Light	
Refractive index	1.53	
Abbe number	42	
Injection system	Medical Accuject 1.8 up to 24.5D Medical Accuject 2.0/2.1/2.2 up to 35D	
Spherical power ⁴	-10D to +9D (1D steps) +10D to +30D (0.5D steps) +31D to +35D (1D steps)	
Suggested A constant ²	Interferometry	
	Hoffer Q: pACD	5.85
	Holladay 1: Sf	2.06
	Barrett: LF	2.09
	SRK/T: A	119.40
	Haigis ³ : a0; a1; a2	1.70; 0.4; 0.1

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Toric Calculator toric.bvimedical.com*

*https://toric.bvimedical.com/ is a forwarding URL for www.physioltoric.eu.

Online **Toric Calculator** with Abulafia-Koch regression formula

How to achieve the most accurate correction for your astigmatic patients?

Our goal is to assist surgeons with precise and reliable IOL calculations. The new calculation method informs physicians about the appropriate toric IOL model and as such improves toric outcomes in astigmatic patients.

What are the new features?

- 1 Abulafia-Koch regression Formula, 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. Calculation using the Standard K method is still possible.
- 2 HELP-button at each bloc that will help you understand and fill in each parameter.
- 3 Predictive patient-specific effective lens position (ELP)

The calculator still offers the possibility to use the Standard K calculation method as with the previous version.

Abulafia-Koch regression Formula 1

HELP-button 2

Predictive patient-specific effective lens position 3



THE FUTURE IN FOCUS

IOL PORTFOLIO

Intraocular Solutions Overview

Contact Information:

www.bvimedical.com/customer-support/



BVI
bvimedical.com