



Made in France

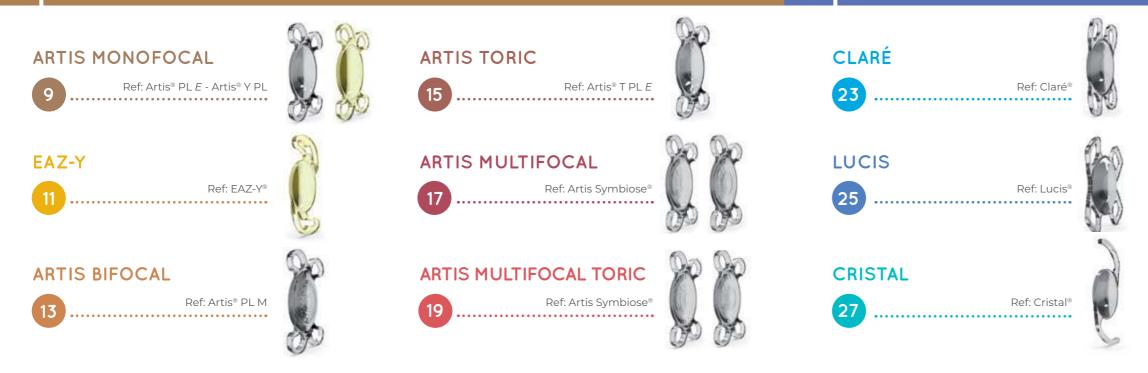




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PRELOADED HYDROPHOBIC RANGE

HYDROPHILIC RANGE



VISCOELASTIC

CRISTAVISC c®













Ref: Reverso®

REVERSO MONOFOCAL

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HYDROPHILIC PIGGY-BACK RANGE

WHO ARE WE?

Founded in 1994, CRISTALENS initially distributed medical devices for cataract surgery. In 2006, the company created its own production unit in Lannion for hydrophilic and hydrophobic intraocular lenses for cataract and refractive surgery, becoming the first manufacturer of intraocular lenses in France. In 2008, Cristalens developed a new hydrophobic raw material that allows for micro-incisions under 2.0 mm.

By choosing CRISTALENS

you are collaborating with a French manufacturer that has complete control of the manufacturing process: from raw material production to final product packaging, with three key words and core values:

PATIENT SAFETY

INNOVATION

AVAILABILITY

Cristalens and INNOVATION

CRISTALENS INDUSTRIE received the Research and Innovation Prize in 2013 for creating its new hydrophobic material for its preloaded micro-incision monofocal and toric lenses.

CRISTALENS strives to provide its clients with the best and most advanced products in the industry. Thanks to close collaboration with the best French universities and highly qualified employees, CRISTALENS is at the cutting edge of technological innovation.

OPHTALMO



Its intraocular lenses are CE 0459.



patient. CRISTALENS only works with ISO-certified suppliers that are respected in the ophthalmic industry. Its automated and robotized manufacturing process optimizes the quality of its intraocular lenses.

Cristalens and PRODUCTION



Always striving to stay autonomous and responsive, CRISTALENS has complete control over its manufacturing:

- raw material production
- design
- cryo-machining
- 100% optical and cosmetic control
- logistics

Cristalens and DISTRIBUTION



CRISTALENS's products are distributed on all continents, in more than 40 countries.

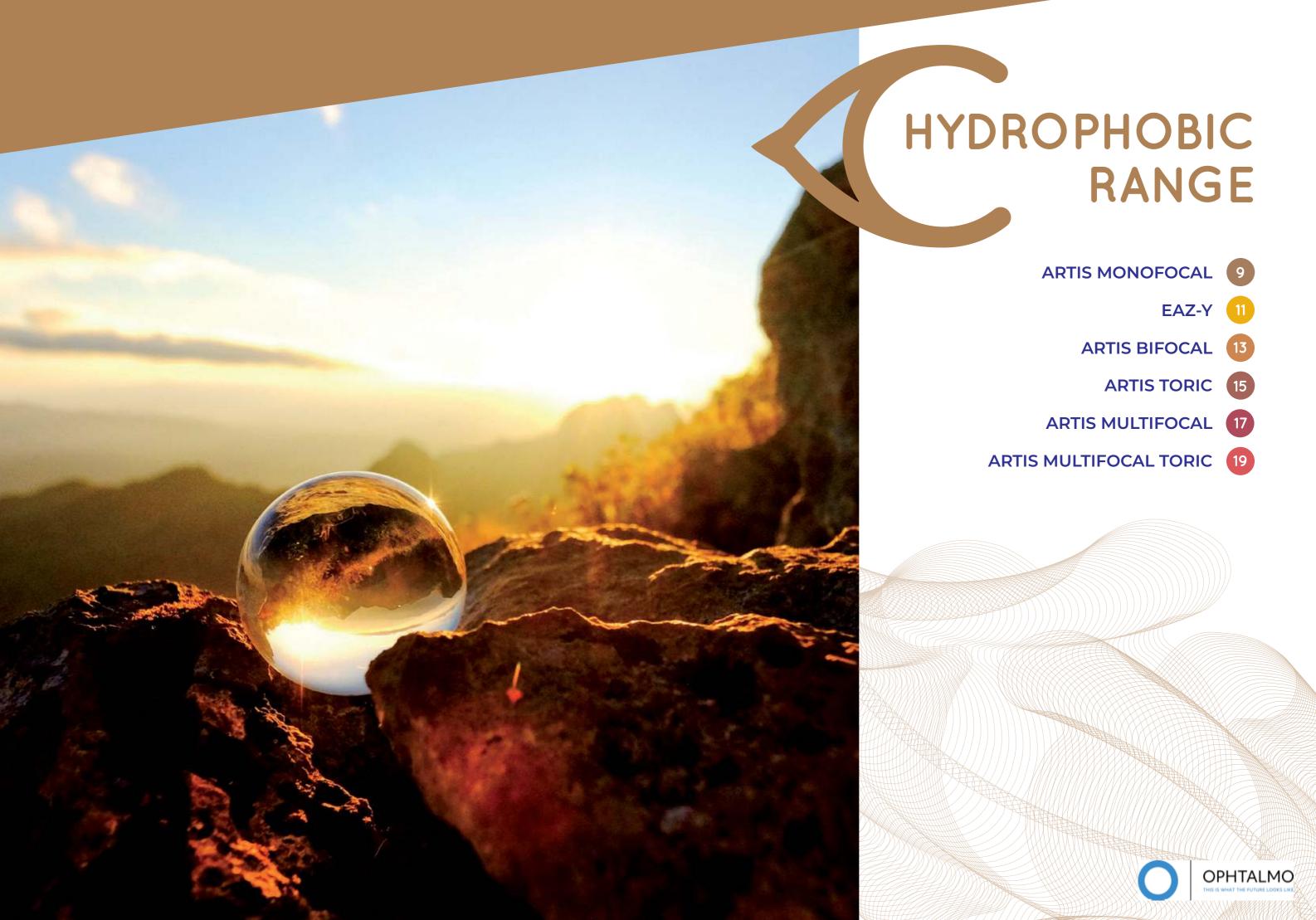
Its «Regulatory Affairs» and «Export» departments fully master the challenges a distributor may face in terms of logistics and marketing support.



CRISTALENS is NF EN ISO 13485 certified.

CRISTALENS makes every effort to ensure optimum protection for the





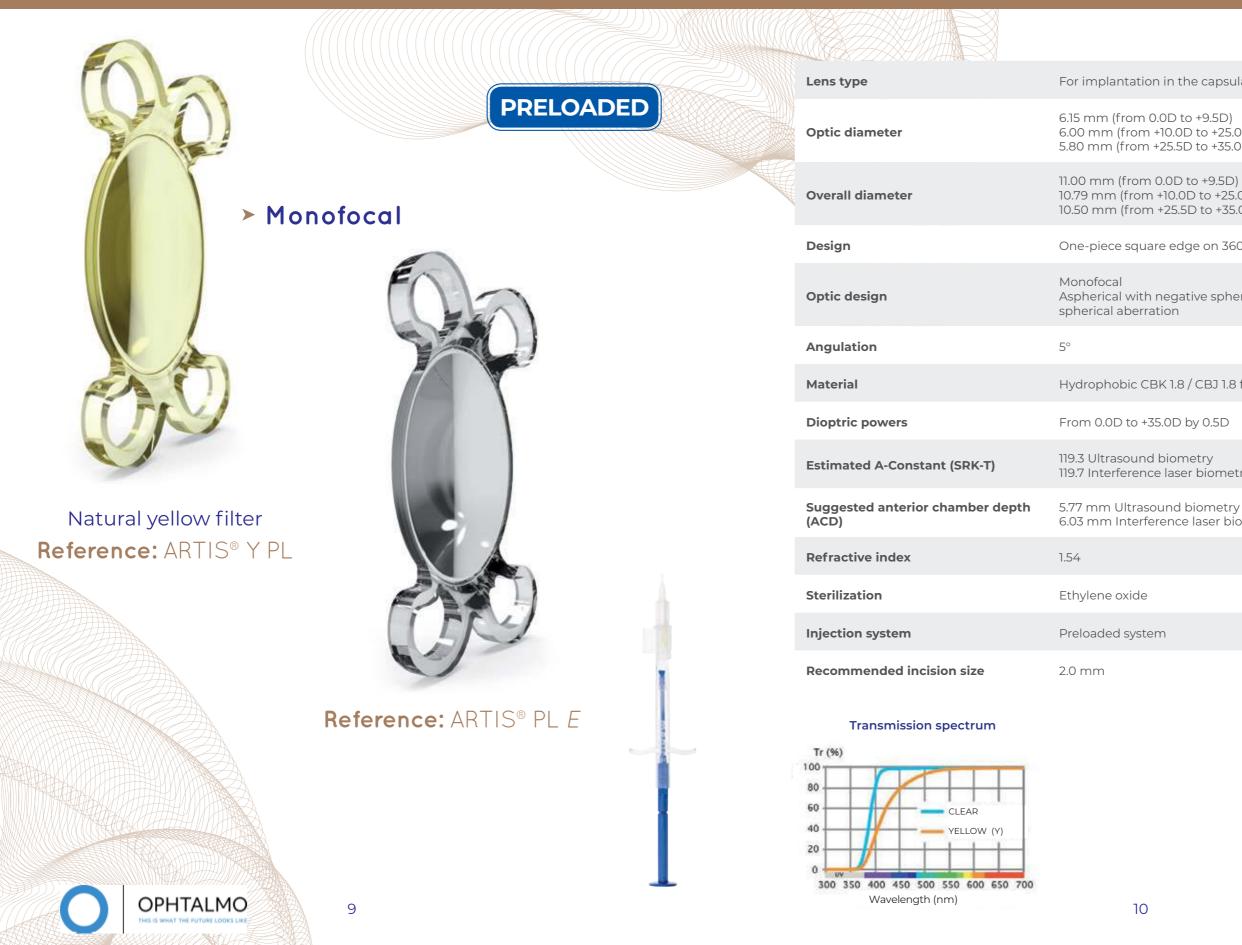




PRELOADED HYDROPHOBIC LENSES

ARTIS MONOFOCAL

TECHNICAL SPECIFICATIONS



For implantation in the capsular bag

6.00 mm (from +10.0D to +25.0D) 5.80 mm (from +25.5D to +35.0D)

10.79 mm (from +10.0D to +25.0D) 10.50 mm (from +25.5D to +35.0D)

One-piece square edge on 360°

Aspherical with negative spherical aberration to partly correct corneal

Hydrophobic CBK 1.8 / CBJ 1.8 from Cristalens

119.7 Interference laser biometry

6.03 mm Interference laser biometry





EAZ-Y[®]

• PRELOADED HYDROPHOBIC LENSES

TECHNICAL SPECIFICATIONS

	Lens type	For implantation i
PRELOADED	Optic diameter	6.15 mm (from 0.0 6.00 mm (from +1 5.80 mm (from +2
	Overall diameter	11.78 mm (from 0. 11.50 mm (from +1
	Design	One-piece square
	Optic design	Monofocal Aspherical with ne spherical aberration
	Angulation	5°
	Material	Hydrophobic CBJ
Monofocal	Dioptric powers	From 0.0D to +35.
	Estimated A-Constant (SRK-T)	119.3 Ultrasound b 119.7 Interference
	Suggested anterior chamber depth (ACD)	5.77 mm Ultrasou 6.03 mm Interfere
	Refractive index	1.54
	Sterilization	Ethylene oxide
	Injection system	Preloaded system
	Recommended incision size	2.0 mm
Natural yellow filter	Transmission spectrum	
	Tr (%6)	
OPHTALMO THIS IS WHAT THE FUTURE LOOKS LIKE 11	Wavelength (nm)	12

n in the capsular bag

0.0D to +9.5D) +10.0D to +25.0D) +25.5D to +35.0D)

0.0D to +9.5D) +10.0D to +35.0D)

are edge on 360°

negative spherical aberration to partly correct corneal ation

BJ 1.8 from Cristalens

35.0D by 0.5D

biometry ce laser biometry

ound biometry erence laser biometry

em





PRELOADED HYDROPHOBIC LENSES

ARTIS® **BIFOCAL**

TECHNICAL SPECIFICATIONS

	Lens type	For implantation i
PRELOADED	Optic diameter	6.00 mm (from +10 5.80 mm (from +2
	Overall diameter	10.79 mm (from +1 10.50 mm (from +2
	Design	One-piece square
	Optic design	Bifocal Aspherical with ne spherical aberratic Diffractive pattern
1 37	Angulation	5°
> Bifocal	Material	Hydrophobic CBK
	Dioptric powers	From +10.0D to +3
	Additions (at IOL plane)	+2.50D/+3.00D
	Estimated A-Constant (SRK-T)	119.3 Ultrasound b 119.7 Interference I
	Suggested anterior chamber depth (ACD)	5.77 mm Ultrasour 6.03 mm Interfere
	Refractive index	1.54
	Sterilization	Ethylene oxide
	Injection system	Preloaded system
Reference: ARTIS® PL M	Recommended incision size	2.0 mm
THIS IS WHAT THE FUTURE LOOKS LIKE		14

n in the capsular bag

+10.0D to +25.0D) +25.5D to +35.0D)

+10.0D to +25.0D) +25.5D to +35.0D)

re edge on 360°

negative spherical aberration to partly correct corneal tion ern on the anterior face, biconvex

3K 1.8 from Cristalens

+35.0D by 0.5D

biometry e laser biometry

ound biometry rence laser biometry





ARTIS[®] TORIC

PRELOADED HYDROPHOBIC LENSES

TECHNICAL SPECIFICATIONS

		Lens type	For implantation in
FA	PRELOADED	Optic diameter	6.00 mm (from +10 5.80 mm (from +25
		Overall diameter	10.79 mm (from +10 10.50 mm (from +2
		Design	One-piece square e
		Optic design	Monofocal Aspherical with neg corneal spherical al Toricity and marks
		Angulation	5°
	Monofocal	Material	Hydrophobic CBK 1
	► Toric	Dioptric powers (spherical equivalent)	From +10.0D to +35
		Cylinder powers	+0.75D / +1.50D / +2 +3.75D / +4.50D / +5
		Estimated A-Constant (SRK-T)	119.3 Ultrasound bio 119.7 Interference la
		Suggested anterior chamber depth (ACD)	5.77 mm Ultrasoun 6.03 mm Interferer
		Refractive index	1.54
		Sterilization	Ethylene oxide
	1	Injection system Pr	Preloaded system
Reference: ARTIS® T	PL <i>E</i>	Recommended incision size	2.0 mm
OPHTALMO THIS IS WHAT THE FUTURE LOOKS LIKE			16

in the capsular bag

10.0D to +25.0D) 25.5D to +35.0D)

+10.0D to +25.0D) +25.5D to +35.0D)

re edge on 360°

negative spherical aberration to partly correct aberration ks on the posterior face, biconvex

K 1.8 from Cristalens

35.0D by 0.5D

+2.25D / +3.00D +5.25D/+6.00D

biometry laser biometry

und biometry ence laser biometry



Toric calculator available on our website www.cristalens.fr

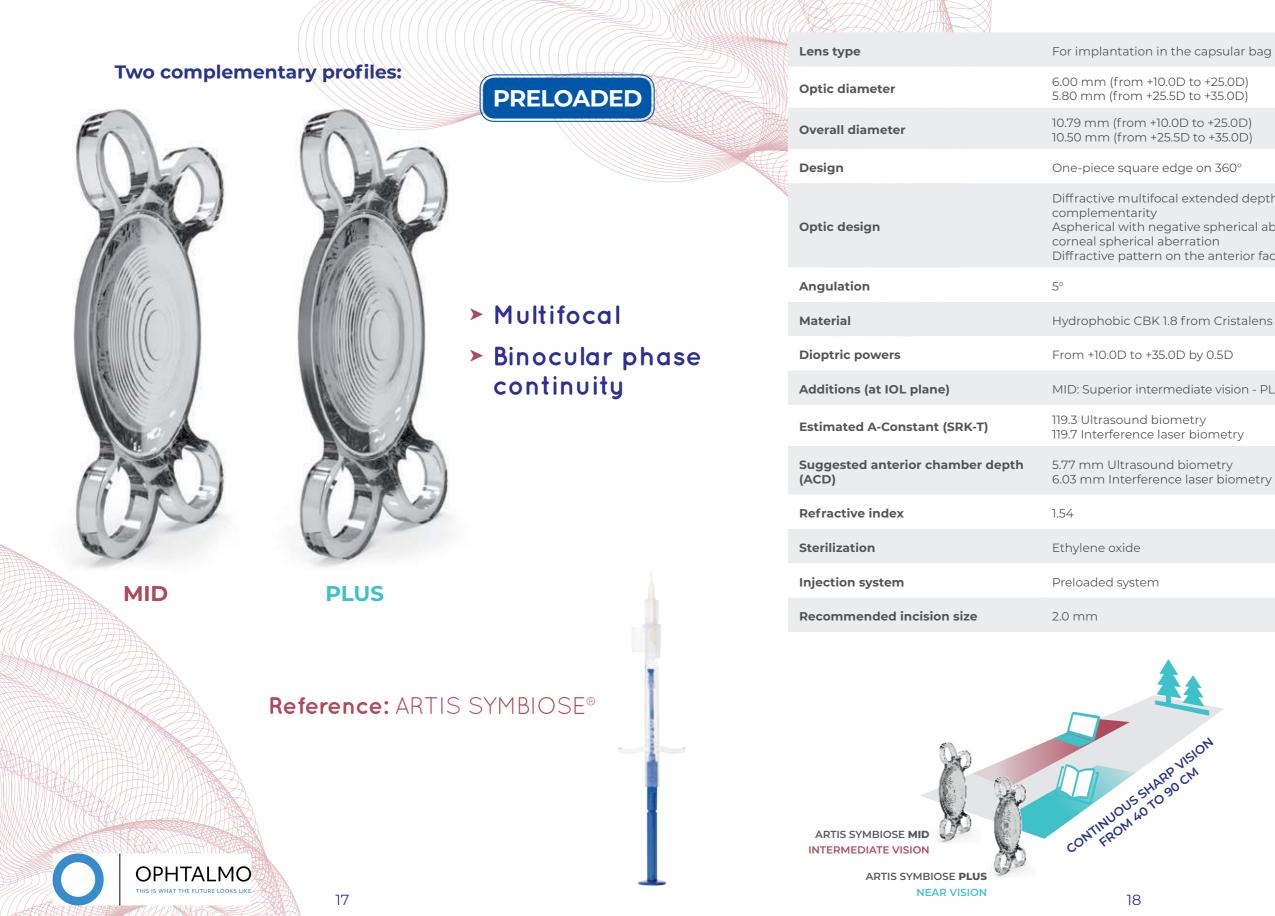




PRELOADED HYDROPHOBIC LENSES

ARTIS[®] MULTIFOCAL

TECHNICAL SPECIFICATIONS



Diffractive multifocal extended depth of focus with binocular

Aspherical with negative spherical aberration to partly correct

Diffractive pattern on the anterior face, biconvex

MID: Superior intermediate vision - PLUS: Superior near vision

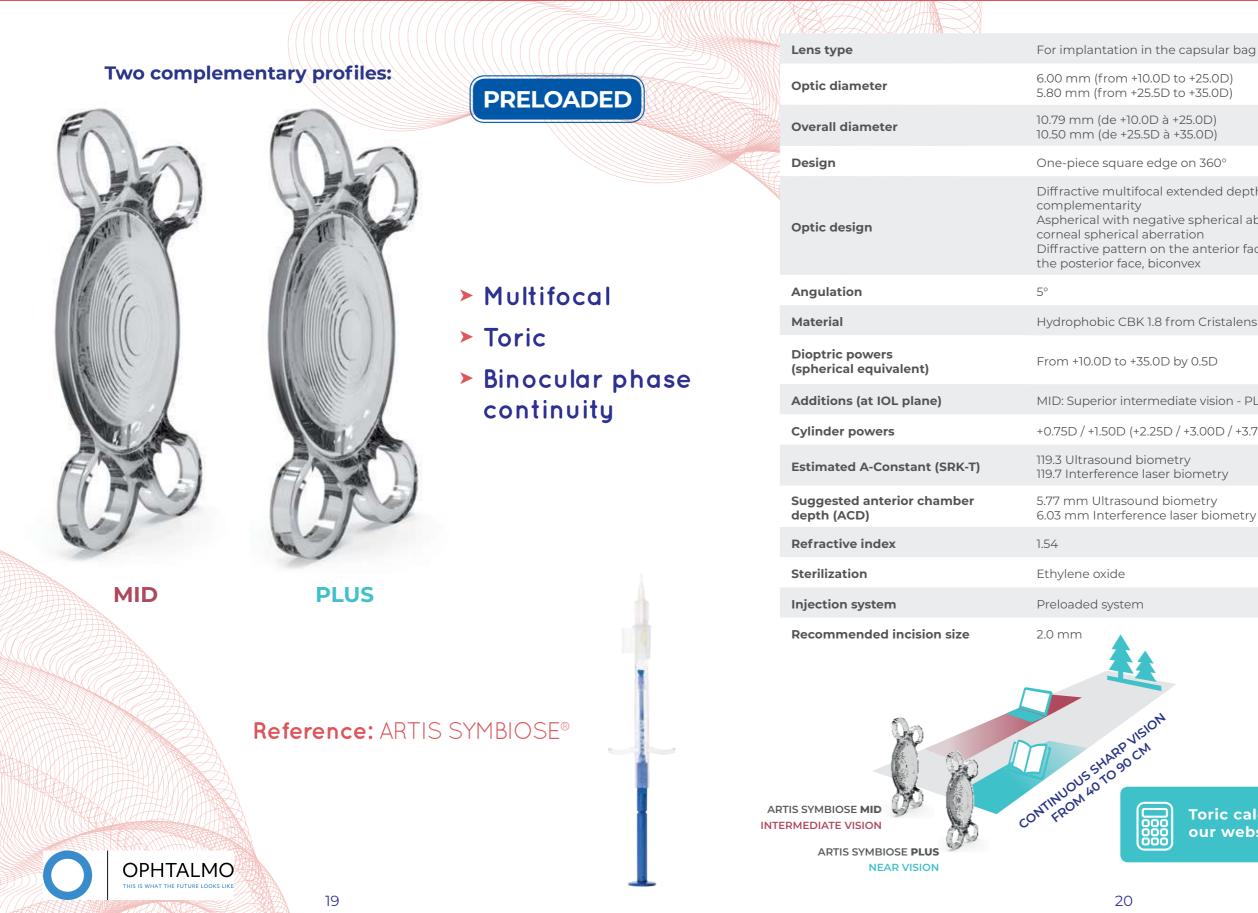


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ARTIS[®] MULTIFOCAL TORIC

PRELOADED HYDROPHOBIC LENSES

TECHNICAL SPECIFICATIONS



Diffractive multifocal extended depth of focus with binocular

Aspherical with negative spherical aberration to partly correct

Diffractive pattern on the anterior face, toricity and marks on

MID: Superior intermediate vision - PLUS: Superior near vision

+0.75D / +1.50D (+2.25D / +3.00D / +3.75D available upon request)





Toric calculator available on our website www.cristalens.fr



HYDROPHILIC RANGE

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CRISTAL	27

HYDROPHILIC PIGGY-BACK RANGE



CRISTALENS

CLARÉ®

TECHNICAL SPECIFICATIONS

Monofocal

Biconvex

8°

1.46

Steam

1.8 to 2.2 mm

		Lens type
		Optic diameter
		Overall diameter
		Design
	Monofocal	Optic design
	Reference: CLARÉ®	Angulation
		Material
		Dioptric powers
		Estimated A-Constant (SRK-T)
		Suggested anterior chamber depth (ACD)
		Refractive index
		Sterilization
		Recommended injection system
		Recommended incision size
OPHTALMO THIS IS WHAT THE FUTURE LOOKS LIKE 23		

HYDROPHILIC LENSES

For implantation in the capsular bag

6.00 mm (from +10.0D to +24.5D) 5.70 mm (from +25.0D to +30.0D)

11.00 mm (from +10.0D to +14.5D) 10.75 mm (from +15.0D to +24.5D) 10.50 mm (from +25.0D to +30.0D)

One-piece square edge on 360°

Aspherical with negative spherical aberration to partly correct corneal spherical aberration

Hydrophilic Benz 25 made of hydrophilic and hydrophobic copolymers

From +10.0D to +30.0D by 0.5D

118.0 Ultrasound biometry 118.5 Interference laser biometry

4.96 mm Ultrasound biometry 5.25 mm Interference laser biometry

Single-use injector





LUCIS®

TECHNICAL SPECIFICATIONS



HYDROPHILIC LENSES

For implantation in the capsular bag

10.50 mm (from +10.0D to +30.0D)

Hydrophilic Benz 25 made of hydrophilic and hydrophobic copolymers

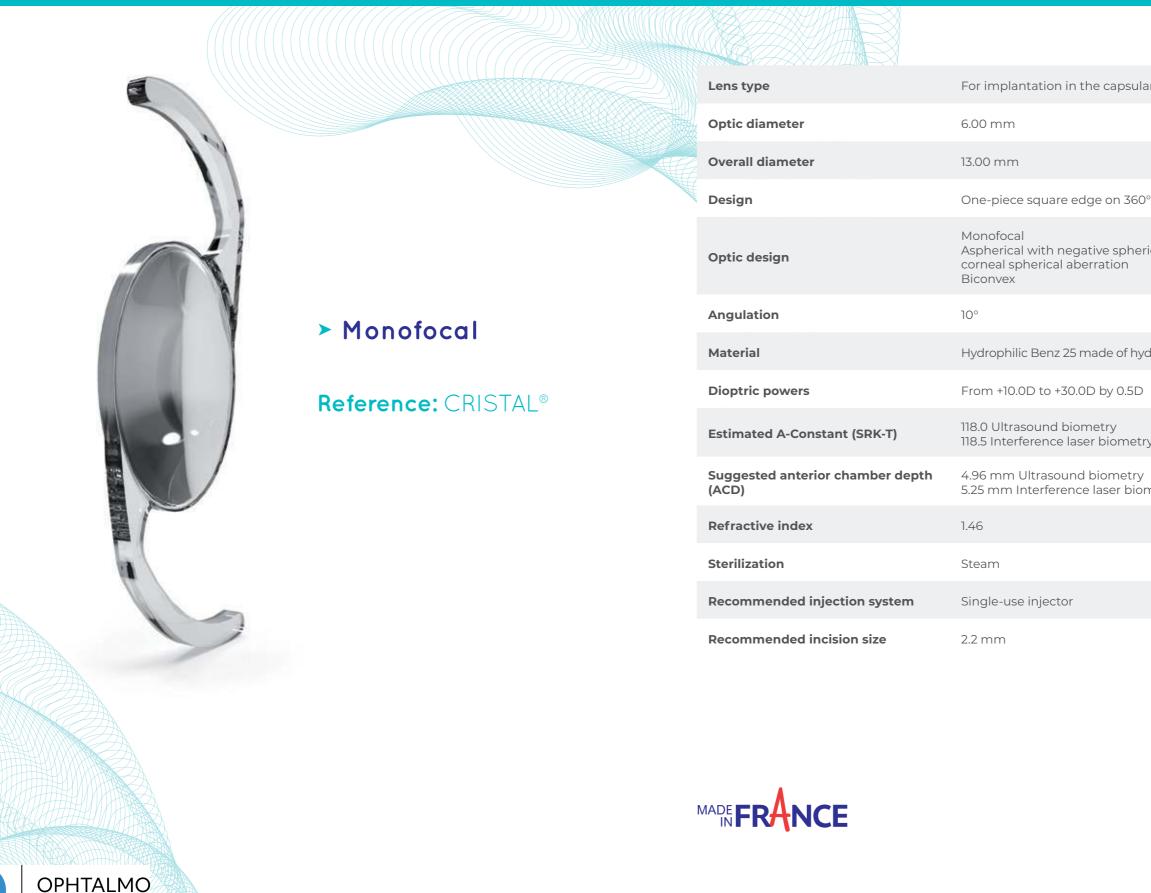
5.25 mm Interference laser biometry





CRISTAL[®]

TECHNICAL SPECIFICATIONS



HYDROPHILIC LENSES

For implantation in the capsular bag

Aspherical with negative spherical aberration to partly correct

Hydrophilic Benz 25 made of hydrophilic and hydrophobic copolymers

118.5 Interference laser biometry

5.25 mm Interference laser biometry

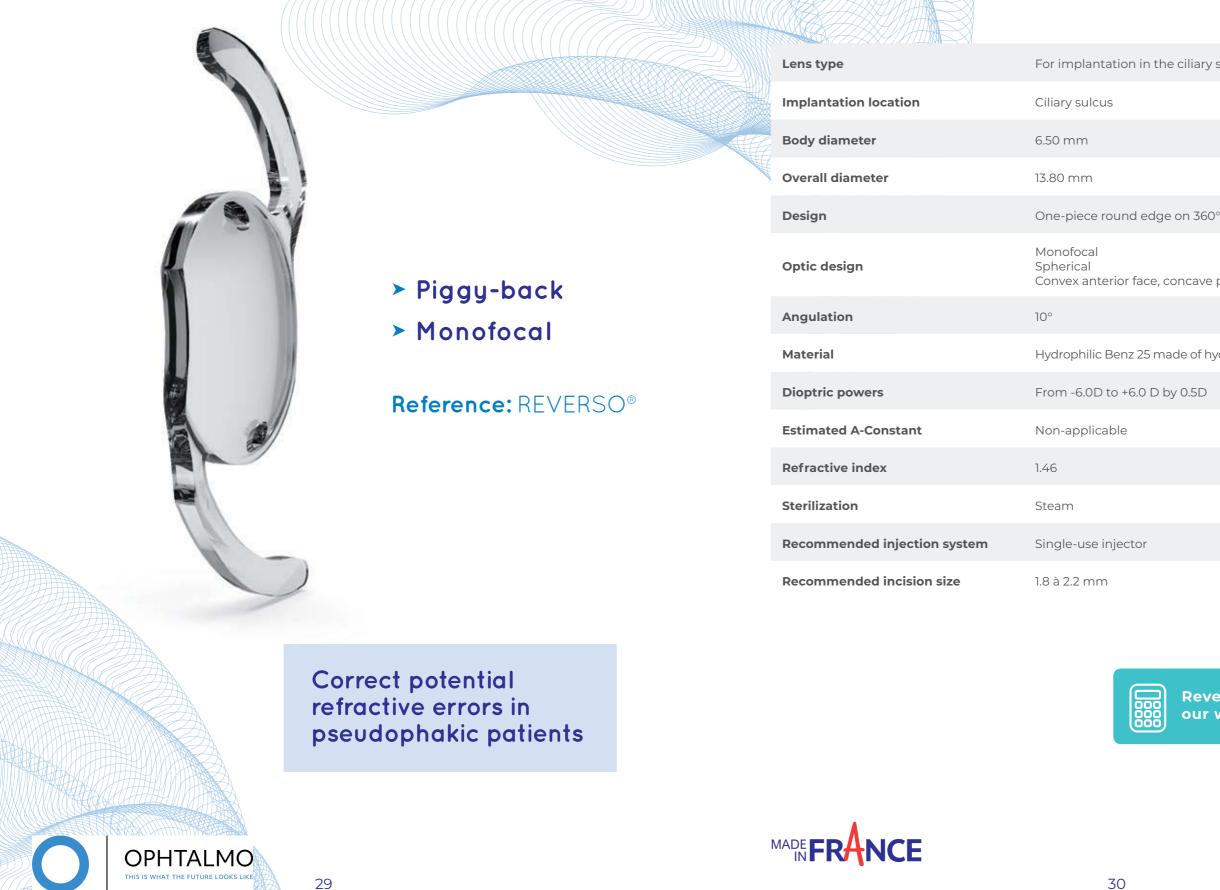


CRISTALENS

HYDROPHILIC PIGGY-BACK LENSES

REVERSO® MONOFOCAL

TECHNICAL SPECIFICATIONS



For implantation in the ciliary sulcus, in pseudophakic patients

Convex anterior face, concave posterior face

Hydrophilic Benz 25 made of hydrophilic and hydrophobic copolymers

Reverso calculator available on our website www.cristalens.fr





REVERSO® MULTIFOCAL

TECHNICAL SPECIFICATIONS



HYDROPHILIC PIGGY-BACK LENSES

For implantation in the ciliary sulcus, in pseudophakic patients

Convex anterior face, diffractive pattern on the concave posterior face

Hydrophilic Benz 25 made of hydrophilic and hydrophobic copolymers

Light distribution: 65% far to 35% near Step apodization: from Ø 3.0 mm to Ø 4.5 mm

+1.50D/+2.00D/+2.50D/+3.00D/+3.50D

Reverso calculator available on our website www.cristalens.fr





VISCOELASTIC

CRISTAVISC c[®] 35



CRISTALENS

CRISTAVISC c[®]



Coheso-dispersive product with mannitol

- With an average viscosity of 170 Pa.s
- Manufactured by the Vivacy Laboratories

Reference: CRISTAVISC c[®]

TECHNICAL SPECIFICATIONS

Eur. Ph. compliant, quality hyaluronic acid for intraocula that is injectable and biofermentation in origin

Each box contains

Glass syringe, Pharmaceutical grade, Class I, latex free, pre

NaHa concentration

Molecular weight of the hyaluronic acid in the final ster

Phosphate Buffer pH 7.2

With natural antioxidant

Isoosmolarity

рН

Viscosity at 0,01s-1 shear rate

Apyrogen (no endotoxins)

Sterile (gel by autoclave - second packaging with bliste sterilization with ethylene oxide)

Proteins

Storage

Medical Device

Biocompatible according to

Quality Management System certified

INDICATIONS

Anterior segment surgery

Protection of the corneal endothelium and maintenance of the intraocular space

See «Description» in the CRISTAVISC c[®] instructions for use for more information



VISCOELASTIC

_
1 syringe - 1 x 27G 7/8" canula - 1 leaflet - 10 traceability labels
Atlml
15.5 mg/g
2.2 MDa (mean value)
q.s. 1g
Hyaluronic acid with mannitol
310 mOsm (mean value)
6.8 – 7.6
170 Pa.s (170 000 cPoise) (mean value)
< 0.5 EU/g
SAL 10 ⁻⁶ (Sterility Assurance Level)
< 20 ppm
2°C to 25°C for up to 36 months
Class IIb
ISO 10993 and ISO 15798
ISO 13485







LOKI®

TECHNICAL SPECIFICATIONS

		Lens type	For implantation
Ee	PRELOADED	Optic diameter	6.50 mm
		Overall diameter	12.00 mm - 13.00 r
		Design	One-piece
		Optic design	Monofocal Aspherical with n corneal spherical Biconvex
	> Hydrophobic	Angulation	5°
	≻ Monofocal	Material	Hydrophobic CBk
H A	➤ For veterinary use	Dioptric power	+41.0D
	For veterinary use	Refractive index	1.54
	Reference: LOKI® PL	Sterilization	Ethylene oxide
		Injection system	Preloaded system
		Recommended incision size	3.0 mm
39		MADE FRANCE	40

• FOR VETERINARY USE

ation in the canine capsular bag

13.00 mm - 14.00 mm

with negative spherical aberration to partly correct erical aberration

ic CBK 1.8 from Cristalens

system







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