



CATALOG  
**PRODUCTS**

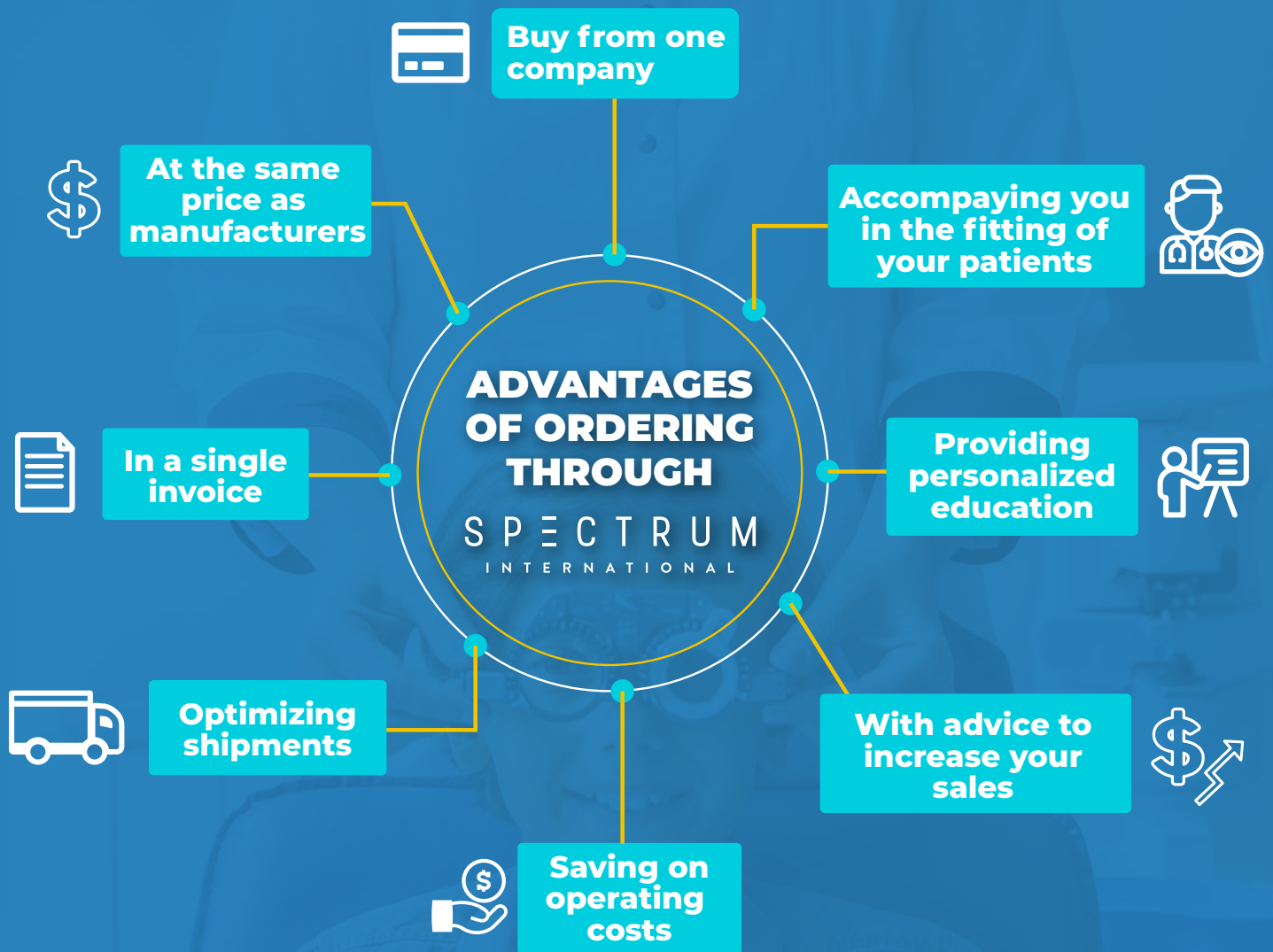
SPECTRUM  
INTERNATIONAL



Focused on the  
**EDUCATION AND DIFFERENTIATION**  
of visual specialists through  
the largest portfolio  
in the industry

S P E C T R U M  
I N T E R N A T I O N A L

# ONESTOP SHOP



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# MOLDED LENSES

S P E C T R U M  
I N T E R N A T I O N A L



High definition vision  
Aberration control



GrabSoo  
Technology

**Claria** is the most innovative and comfortable silicone hydrogel lens on the market with the highest technology parameters such as: Class 1 UV Filter which blocks 90% of UVA and 99% of UVB rays, HD Vision, Aberration Control and Grabsoo Technology.

## PARAMETERS

	SPHERIC
<b>MATERIAL</b>	Silicone Hydrogel
<b>WATER CONTENT</b>	45%
<b>BASE CURVE</b>	8.6mm
<b>DIAMETER</b>	14.2mm
<b>POWER</b>	+6.00 to -6.00 (0.25 step) -6.50 to -12.00 (de 0.50 step) +6.50 to +8.00 (de 0.50 step)
<b>DK</b>	70
<b>DK/t (@-3.00D)</b>	119
<b>MODULUS</b>	0.4 - 0.5
<b>PACK</b>	6

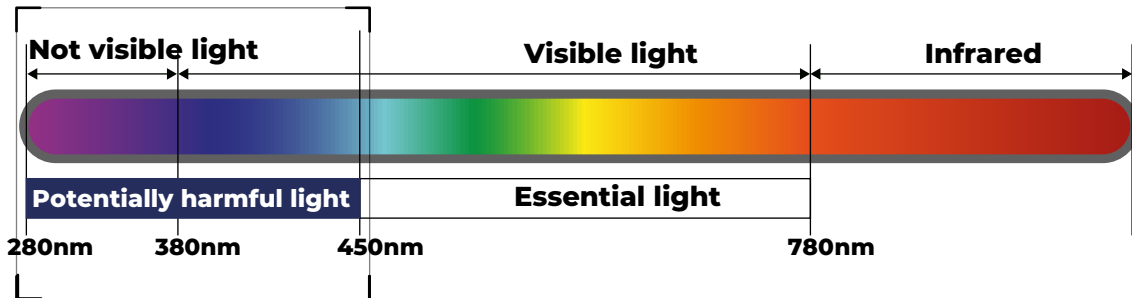
	TORIC
<b>MATERIAL</b>	Silicone Hydrogel
<b>WATER CONTENT</b>	45%
<b>BASE CURVE</b>	8.6mm
<b>DIAMETER</b>	14.2mm
<b>POWER</b>	SPH: +6.00 to -6.00 (0.25 step) -6.50 to -12.00 (0.50 step)
<b>CYLINDER POWER</b>	-0.75, -1.25, -1.75, -2.25, -2.75
<b>AXIS</b>	10° to 180° (in 10° steps)
<b>DK</b>	70
<b>DK/t (@-3.00D)</b>	75
<b>MODULUS</b>	0.4 - 0.5
<b>PACK</b>	6

Spheric
  Toric
  Monthly



## LENS WITH LOCK BLUE LIGHT

Every day we are exposed to high energy light



Blue light is a range of the visible light spectrum, defined by having a short wavelength between 400 to 450nm with high energy in the visible region. Blue light penetrates the lens and adversely affect retinal epithelial cells (macular degeneration, eye strain, decreased vision, etc).

### PARAMETERS

<b>MATERIAL</b>	Methafilcon A
<b>WATER CONTENT</b>	55%
<b>BASE CURVE</b>	8.6mm
<b>DIAMETER</b>	14.2mm
<b>POWER</b>	+0.25 a +6.00 (0.25 step) -0.00 a -6.00 (0.25 step) -6.50 a -10.00 (0.50 step)
<b>DK</b>	20
<b>PACK</b>	6



## ASSL Method Aqua Safety Shield Layer

**Easy and comfortable fitting**

Claria H lenses have two geometries which are **Claria H Toric** designed for users with astigmatism that ensures clear and stable vision throughout the day and Claria H Spherical for the correction of myopia or hyperopia providing clear vision even in low light or low contrast and are made of **Hioxifilcon D** material that favors the accumulation of water on the surface of the cornea and reduces friction with the eye. Thanks to their moisturizing properties, **Claria H** lenses do not dehydrate and the wearer will not feel any discomfort when using them. The material maintains ocular hydration, guaranteeing excellent comfort throughout the entire wearing time.

It also has a Class 2 UV filter that protects the eyes against the harmful effects of UVA radiation by 85% and UVB by 40%.

### PARAMETERS

#### SPHERIC

<b>MATERIAL</b>	Hioxifilcon D
<b>WATER CONTENT</b>	55%
<b>BASE CURVE</b>	8.6mm
<b>DIAMETER</b>	14.2mm
<b>POWER</b>	+12.00 to +6.50D (0.50D step) +6.00 to -6.00D (0.25D step) -6.50 to -20.00D (0.50D step)
<b>HANDLING TINT</b>	Blue
<b>CENTRAL THICKNESS</b>	0.102 mm @ -3.00D
<b>PACK</b>	6

#### TORIC

<b>MATERIAL</b>	Hioxifilcon D
<b>WATER CONTENT</b>	55%
<b>BASE CURVE</b>	8.6mm
<b>DIAMETER</b>	14.2mm
<b>POWER</b>	+6.00 to +4.50D (0.25D step) +4.00 to -6.00D (0.25D step) -6.50 to -12.00D (0.50D step)
<b>HANDLING TINT</b>	Blue
<b>CYLINDER POWER</b>	-0.75, -1.25, -1.75, -2.25
<b>AXIS</b>	10° to 180° (Every 10 degree)
<b>AXIS MARKS</b>	Single arrow indication at 6 o'clock
<b>CENTRAL THICKNESS</b>	0.108mm @ -3.00D
<b>PACK</b>	6





Improved oxygen transmission

Improved stability on eye

Xtensa Premium Aspheric and Xtensa Premium Toric contact lenses provide superior visual acuity and long-lasting comfort. That's because they are made with **Aquagrip® Technology**, whose water retention properties improve resistance to dehydration and increase the wettability of the lens surface with enhanced hydrophilic properties.

## PARAMETERS

### SPHERIC

<b>MATERIAL</b>	43% Hioxifilcon A, 57% Water Cont.
<b>BASE CURVE</b>	8.6mm
<b>DIAMETER</b>	14.2mm
<b>POWER</b>	<b>-12.00 to +6.00D</b> +00.00 to -6.00D (0.25D step) -6.50 to -12.00D (0.50D step) +00.00 to +4.00D (0.25D step) +4.50 to +6.00D (0.50D step)
<b>HANDLING TINT</b>	Blue
<b>CENTRAL THICKNESS</b>	0.084mm @ -3.00D
<b>DK/t (@-3.00D)</b>	30.11x10 <sup>-9</sup> (cm/s) (mIO <sub>2</sub> /ml.mm Hg)
<b>OXYGEN PERMEABILITY DK@35°C</b>	25.29x10 <sup>-11</sup> (cm <sup>2</sup> /s) (mIO <sub>2</sub> /ml.mm Hg)
<b>PACK</b>	6

### TORIC

<b>MATERIAL</b>	43% Hioxifilcon A, 57% Water Cont.
<b>BASE CURVE</b>	8.7mm
<b>DIAMETER</b>	14.4mm
<b>POWER</b>	<b>-8.00 to +4.00D</b> +00.00 to -6.00D (0.25D step) -6.50 to -8.00D (0.50D step) +00.00 to +4.00D (0.25D step)
<b>HANDLING TINT</b>	Blue
<b>CYLINDER POWER</b>	-0.75D, -1.25D, -1.75D, -2.25D y -2.75D*
<b>AXIS</b>	10° to 180° (in 10° steps)
<b>AXIS MARKS</b>	Single arrow indication at 6 o'clock
<b>CENTRAL THICKNESS</b>	0.099mm @ -3.00D
<b>DK/t (@-3.00D)</b>	24.70x10 <sup>-9</sup> (cm/s) (mIO <sub>2</sub> /ml.mm Hg)
<b>OXYGEN PERMEABILITY DK@35°C</b>	24.45x10 <sup>-11</sup> (cm <sup>2</sup> /s) (mIO <sub>2</sub> /ml.mm Hg)
<b>PACK</b>	6

\* Cylinder Power -2.75D requires a minimum purchase.

# extremeH2O® 54

Two diameter options: 13.6mm and 14.2mm

## Why Two Diameters?

For years, lens manufacturers have touted the idea that increased oxygen to the cornea results in a more comfortable contact lens wearing experience. Despite that, dropout rates have fundamentally not changed. There's clear evidence that oxygen is not the cure for comfort. Important yes, but not a complete solution - hydration and fit are key factors.

## Extreme H2O 54 Fitting Guide

The lens should attain full corneal coverage and overlap the limbus by 3/4mm. If there is more than 1mm overlap, fit a smaller (13.6mm) diameter lens. If the lens moves too much or is not comfortable, fit a larger (14.2mm) diameter lens.

Measure HVID	
≤ 11.3mm start with 13.6	> 11.3mm start with 14.2
<ul style="list-style-type: none"> <li>• Patients with smaller than average corneas.</li> <li>• Pediatric eyes.</li> <li>• Patients with tight lids.</li> <li>• Patients with small fissures.</li> <li>• Patients who have difficulty inserting and removing their lenses.</li> </ul>	<ul style="list-style-type: none"> <li>• Patients with average to large size corneas.</li> <li>• Patients with too much lens movement.</li> <li>• Patients with too much lid interaction causing discomfort from the lens edge.</li> <li>• Patients with centering issues.</li> </ul>

Parameters		
Material	Hioxifilcon D with 54% water	
Polymer Type	GMA/HEMA copolymer, group 2, high water, non-ionic	
Handling Tint	Light blue	
O <sub>2</sub> Permeability	21 Dk (Fatt units @ 35°C)	
Packaging	Blister pack (6 per box)	
Wear Indication	Daily wear: monthly replacement suggested	
Diameter	13.6 mm	14.2 mm
Center Thickness	0.081 mm @ -3.00 mm	0.085 mm @ -3.00 mm
Base Curve	Median 8.3 mm <i>(due to small diameter)</i>	Median 8.6 mm
Powers	+1.00 to +6.00 -0.50 to -8.00 <i>(0.50D steps after +4.00)</i>	+1.00 to +6.00 -0.50 to -8.00 <i>(0.50D steps after +4.00)</i>

# extremeH2O® 54 Toric

## Low Cyl and Mid Cyl

**LC:** The lowest available cylinder: Designed for patients with astigmatism from 0.50D to 1.00D

**MC:** Designed for patients with astigmatism from 1.00D to 1.50D

## Toric stability is a function of design and material

Extreme **H2O 54 Toric** lenses are made with our advanced breakthrough material in a prism ballast design with a toric back surface. This combination is what enables our toric lenses to perform at a higher level for visual acuity and all-day comfort.

Design Features	Design Benefits
Cast molded	High reproducibility for consistent performance
Prism ballast design	Predicable orientation with minimal rotation
Back surface toric	Rapid stabilization
Tapered edge	Minimal lower lid interaction for outstanding comfort

Parameters		
Material	Hioxifilcon D with 54% water	
Polymer Type	GMA/HEMA copolymer, group 2, high water, non-ionic	
Handling Tint	Light blue	
O2 Permeability	21 Dk (Fatt units @ 35°C)	
Packaging	Blister pack (6 per box)	
Wear Indication	Daily wear: Monthly replacement suggested	
Diameter/Center Thickness	14.2 mm / 0.145 @ -3.00 mm (varies with power)	
Base Curve	Median 8.6 mm	
	<b>LC (low cyl)</b>	<b>MC (mid cyl)</b>
Sphere Power	-0.25 to -6.00 & Pl to +4.00	-0.25 to -6.00 & Pl to +4.00
Cylinder Power	-0.65D	-1.25D
Axis	15°, 75°, 90°, 105°, 165°, 180°	10°, 20°, 80°, 90°, 100°, 160° 170°, 180°



20° 6 o'clock 20°  
Scribe Marks

# extremeH2O® 59

## A Problem Solver for Dryness & Discomfort

### The Problem: Discomfort Due to Dryness

- 60% of contact lens users experience dryness and discomfort.
- 16% to 30% drop out of their contact lenses each year.\*
- 41% of these dropouts are due to dryness and discomfort.

Who are these patients?	What are their complaints?
Middle-aged users	Discomfort due to dryness
People taking certain medications	
People working in climate controlled offices	Inability to wear lenses for more than 6 to 8 hours a day
People living in low humidity areas	
Computer users	Reduced visual acuity after 6 to 8 hours wear due to lens instability
Allergy sufferers	

### The Solution: Extreme H2O 59

The Extreme H2O 59 lens retains 99% of its water content on the eye, even under extreme conditions. All lens dimensions and oxygen permeability present in the first hour of wear will be present in the last. Lens comfort, movement and fit will be stable throughout the day.

**High performance material retains 99% of its water**

\*John Rumpakis, O.D., M.B.A., "New Data on Contact Lens Dropouts: An International Perspective," *Review of Optometry*, Jan 15, 2010  
 \*\*Data referenced from MBA Key Metrics Report 3/22/2018

Parameters		
Material	Hioxifilcon A with 59% water	
Polymer Type	GMA/HEMA copolymer, group 2, high water, non-ionic	
Handling Tint	Light blue	
O <sub>2</sub> Permeability	28 Dk (Fatt units @ 35°C)	
Packaging	Blister pack (6 per box)	
Wear Indication	Daily wear: 2-week replacement suggested	
	<b>Thin</b>	<b>Xtra</b>
Diameter	14.2 mm	14.2 mm
Center Thickness	0.085 mm @ -3.00 mm	0.145 mm @ -3.00 mm
Base Curve	Median (8.6mm)	Median (8.6 mm) Steep (8.3 mm)
Powers	+1.00 to +6.00 -0.50 to -8.00 <i>0.50D steps after +4.00</i>	Median: +1.00 to +6.00 & -0.50 to -8.00 <i>0.50D steps after +4.00</i> Steep: -1.00 to -8.00

A close-up photograph of a human eye with a contact lens being inserted. The lens is held in place by a finger, and the eye's iris and pupil are visible through the lens. The image has a blue tint and a semi-transparent blue circle overlaid on the bottom half.

# CUSTOM SOFT LENSES & IRREGULAR CORNEA

S P E C T R U M  
I N T E R N A T I O N A L



Soft contact Lenses  
customized According  
to the anatomy of each  
eye

We present SPCT EXACTA, our line of soft contact lenses that offer you a customized fit according to the anatomical and functional parameters of its user.

## FITTING

Lens diameter to adapt								
Selection of base curve according to contact lens diameter and material	SPCT EXACTA & SPCT EXACTA Multifocal			SPCT EXACTA Toric & SPCT EXACTA MF Toric				
	Material	Dia: 13,50	Dia: 14,00	Dia: 14,50	Material	Dia: 13,50	Dia: 14,00	Dia: 14,50
	38%	Kflat + 0,40	Kflat + 0,60	Kflat + 0,70	38%	Kmedium +0,50	Kmedium +0,60	Kmedium +0,70
	50%	Kflat + 0,30	Kflat + 0,50	Kflat + 0,60	50%	Kmedium +0,40	Kmedium +0,50	Kmedium +0,60
	SPCT EXACTA 6 & SPCT EXACTA 6T							
Lens	Dia: 13,50	Dia: 14,00	Dia: 14,50	Dia: 15,00				
Exacta 6			Km + 0,80					
Exacta 6T		Km + 0,70	Km + 0,80		Km + 0,90		Km + 1,00	
SPCT EXACTA 59 & SPCT EXACTA 59 TMT								
Lens	Dia: 13,50	Dia: 14,00	Dia: 14,20	Dia: 14,50	Dia: 15,00			
Exacta 59 RX				KP + 0,50				
Exacta 59 RX			KP + 0,50		KP + 0,60			
Exacta 59 TMT		Km + 0,40	Km + 0,50		Km + 0,60		Km + 1,00	

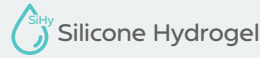
## SYMBOLY OF AVAILABLE DESIGNS



# Quarterly



## Conventional Lenses



HiSi soft contact lens, spherical, toric, toric multifocal and toric multifocal, with optical zones designed according to the user's pupil.

- Easy adaptation
- Excellent comfort
- Also for users with extreme parameters
- Design center near
- Excellent quality of vision
- High VA near and far

Design	Lens	Material	BR (mm)	Power (D)	Axis (°)	Ø (mm)	Add (D)
	Exacta O2	UNISIL	7,80 to 10,00 steps of 0,10	0,25 0 0,25 Sphere -20   +20		13,50 to 15,00 steps of 0,50	
	Exacta O2 Toric			0,25 0 0,25 Sphere -20   +20 Cylinder -6 -0,75	5 to 180 steps of 5		



# Yearly



## Conventional Lenses



Hydrogel soft contact lens, spherical, toric, toric multifocal and toric multifocal, with optical zones designed according to the user's pupil.



- Easy adaptation
- Excellent comfort
- Also for users with extreme parameters
- Design center near
- Excellent quality of vision
- High VA near and far

In GMADVANCE

Design	Lens	Material	BR (mm)	Power (D)	Axis (°)	Ø (mm)	Add (D)
	Exacta 38%	CONTAFLEX	7,50 to 9,60 steps of 0,10	0,25 0 0,25 Sphere -20   +20		12,50 to 15,00 steps of 0,50	
	Exacta 50%	GMADVANCE					
	Exacta Toric 38%	CONTAFLEX	7,80 to 9,60 steps of 0,10	0,25 0 0,25 Sphere -20   +20 Cylinder -6 -0,75	5 to 180 steps of 5	13,50 to 15,00 steps of 0,50	
	Exacta Toric 50%	GMADVANCE					
	Exacta MF 38%	CONTAFLEX	7,80 to 9,20 steps of 0,10	0,25 0 0,25 Sphere -20   +20		14,00 to 14,50 steps of 0,50	+0,75 to +4,00 steps of 0,25
	Exacta MF 50%	GMADVANCE					
	Exacta MF Toric 38%	CONTAFLEX		5 to 180 steps of 5	0,25 0 0,25 Esfera -20   +20 Cylinder -6 -0,75		
	Exacta MF Toric 50%	GMADVANCE					





- Spherical inner side, toric outer side.
- Optimized design for reduced thickness

Design	Lens	Material	BR (mm)	Power (D)	Axis (°)	Ø (mm)												
	Exacta 6	CONTAFLEX	7,80 to 9,60 steps of 0,10	<table border="1"> <tr> <td></td> <td>0,25</td> <td>0</td> <td>0,25</td> </tr> <tr> <td>Sphere</td> <td>-20</td> <td> </td> <td>+20</td> </tr> <tr> <td>Cylinder</td> <td colspan="3">-8.00 -0.50</td> </tr> </table>		0,25	0	0,25	Sphere	-20		+20	Cylinder	-8.00 -0.50			5 to 180 steps of 5	13,50 to 15,00 steps of 0,50
	0,25				0	0,25												
Sphere	-20		+20															
Cylinder	-8.00 -0.50																	
	Exacta 6 T																	

Soft contact lens specifically designed for adaptation in keratoconus, intrastromal rings and cross-linking. It offers an alternative to RGP lenses due to its easy adaptation and greater comfort.



They incorporate a small posterior optical zone in a multi-aspheric lens design. The optical success of the design is based on its central thickness and three-curve design on the anterior side, achieving excellent lens tolerance with surprisingly good visual acuities.

Design	Lens	Material	BR (mm)	Power (D)	Ø (mm)												
	Exacta SK	GMADVANCE	5,80 to 8,00 steps of 0,10	<table border="1"> <tr> <td></td> <td>0,25</td> <td>0</td> <td>0,25</td> </tr> <tr> <td>Sphere</td> <td>-20</td> <td> </td> <td>+10</td> </tr> <tr> <td>Cylinder</td> <td colspan="3">-6.00 -0.75</td> </tr> </table>		0,25	0	0,25	Sphere	-20		+10	Cylinder	-6.00 -0.75			14,00 to 14,50 steps of 0,50
	0,25				0	0,25											
Sphere	-20		+10														
Cylinder	-6.00 -0.75																
	Exacta SK Toric																



Soft contact lens designed for corneas whose curvature has been modified by refractive surgical treatments, but for various reasons the desired result has not been achieved.

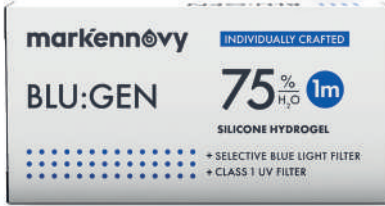
Oblate posterior geometry, copying the shape of the cornea.

Design	Lens	Material	BR (mm)	Power (D)	Ø (mm)												
	Exacta PL	GMADVANCE	8,00 to 9,20 steps of 0,10	<table border="1"> <tr> <td></td> <td>0,25</td> <td>0</td> <td>0,25</td> </tr> <tr> <td>Sphere</td> <td>-20</td> <td> </td> <td>+10</td> </tr> <tr> <td>Cylinder</td> <td colspan="3">-6.00 -0.75</td> </tr> </table>		0,25	0	0,25	Sphere	-20		+10	Cylinder	-6.00 -0.75			15,00
	0,25				0	0,25											
Sphere	-20		+10														
Cylinder	-6.00 -0.75																
	Exacta PL Toric																





# MONTHLY CONTACT LENSES



## Blu:gen - monthly

- SPHERIC
- TORIC
- MULTIFOCAL
- MULTIFOCAL TORIC

Blu: gen is a silicone hydrogel lens, combining a Class I UV Filter with selective Blue Light Blocking to protect the eye from upwards of 99% of UVB, 93% of UVA, and 14% of harmful blue-violet light. Its high water content, low dehydration material featuring the lowest modulus of all silicone hydrogels on the market (0.25 Mpa) offers your patients a healthy, comfortable all-day wearing experience.



## Blu:kidz - monthly

- SPHERIC
- TORIC
- MULTIFOCAL
- MULTIFOCAL TORIC

Blu:kidz is a silicone hydrogel lens, combining a Class 1 UV Filter with selective Blue Light Blocking to protect the eye from upwards of 99% of UVB, 93% of UVA, and 14% of harmful blue-violet light. Its child-friendly range of diameters makes it possible to fit even the smallest of eyes, whilst its green handling tint and high water content, low dehydration material provide improved handling and comfort-perfect for first-time contact lens wearers!

### PARAMETERS

BASE CURVES (mm)	6.50 to 9.80 (0.30)
DIAMETERS (mm)	11.50 to 16.50 (0.50)
SPHERES (D)	±30.00 (0.25)
CYLINDERS (D)	-0.75 to -8.00 (0.25)
AXES (°)	All (1°)
ADDITIONS	0.50 to 4.00 (0.25) CD/CN

### MATERIAL

TYPE	Filcon 5B (60) [75%]
DK (ISO 9913-1-1998)	60
DK/T (-3.00 D)	50
WATER CONTENT	75%
CENTRAL THICKNESS (-3.00 D)	0.12
COF	0.05
MODULUS	0.25
UV FILTER	Class 1
BLUE LIGHT BLOCKING	Yes
HANDLING TINT	Green
PACK SIZE	3 & 6 Lenses
MANUFACTURING PROCESS	Lathed

### PARAMETERS

BASE CURVES (mm)	6.50 to 9.80 (0.30)
DIAMETERS (mm)	11.50 to 16.50 (0.50)
SPHERES (D)	±30.00 (0.25)
CYLINDERS (D)	-0.75 to -8.00 (0.25)
AXES (°)	All (1°)
ADDITIONS	0.50 to 4.00 (0.25) CD/CN

### MATERIAL

TYPE	Filcon 5B (60) [75%]
DK (ISO 9913-1-1998)	60
DK/T (-3.00 D)	50
WATER CONTENT	75%
CENTRAL THICKNESS (-3.00 D)	0.12
COF	0.05
MODULUS	0.25
UV FILTER	Class 1
BLUE LIGHT BLOCKING	Yes
HANDLING TINT	Green
PACK SIZE	3 & 6 Lenses
MANUFACTURING PROCESS	Lathed

CALCULATE THE LENS WITH Ø AND BC

**Blu:gen y Blu:kidz Fitting Guide**

Lens Ø: Add 3mm to the visible iris diameter  
BC: Km = (K1+K2)/2

DØ (mm)	BC (mm)	Km = (K1+K2)/2
11.50/12.00	6.50 - 8.30	Km +0.0
12.50	6.50 - 8.60	Km +0.0
13.00	6.50 - 8.90	Km +0.0
13.50	6.80 - 9.20	Km +0.1
14.00	7.10 - 9.50	Km +0.4
14.50	7.40 - 9.80	Km +0.5
15.00	7.70 - 9.80	Km +0.7
15.50	8.00 - 9.80	Km +0.9
16.00	8.30 - 9.80	Km +1.1
16.50	8.60 - 9.80	Km +1.3



## Saphir Rx - monthly

- SPHERIC     MULTIFOCAL  
 TORIC     MULTIFOCAL TORIC

**Saphir RX** is a silicone hydrogel lens, featuring a comfortable high water content, low dehydration material with a highly lubricious surface (CoF = 0.02). Its low modulus (0.33 Mpa) adds to the comfort of the lens whilst ensuring vision quality and easy handling throughout the lens' life cycle.

CALCULATE THE LENS WITH Ø AND RB

### Saphir RX Fitting Guide

Lens Ø: Add 3mm to the visible iris diameter  
BC:  $Km = (K1+K2)/2$

DØ (mm)	BC (mm)	Km= (K1+K2)/2
13.00	6.50 - 8.90	Km +0.0
13.50	7.10 - 9.20	Km +0.1
14.00	7.40 - 9.50	Km +0.3
14.50	7.70 - 9.80	Km +0.5
15.00	8.00 - 9.80	Km +0.7
15.50	8.30 - 9.80	Km +0.9
16.00	8.60 - 9.80	Km +1.1



## Gentle 80 - monthly

- SPHERIC     MULTIFOCAL  
 TORIC     MULTIFOCAL TORIC

**Gentle 80** is a bio-inspired hydrogel lens designed to imitate the natural properties of the cornea. Its material combines high water content, low dehydration, and the lowest modulus on the market (0.13 MPa) with oxygen transmissibility that reaches silicone hydrogel levels (Dk = 60), achieving award-winning comfort and health.

CALCULATE THE LENS WITH Ø AND RB

### Gentle 80 Fitting Guide

Lens Ø: Add 3mm to the visible iris diameter  
BC:  $Km = (K1+K2)/2$

DØ (mm)	BC (mm)	Km= (K1+K2)/2
13.00	7.10 - 8.90	Km +0.0
13.50	7.10 - 9.20	Km +0.0
14.00	7.40 - 9.50	Km +0.1
14.50	7.70 - 9.80	Km +0.3
15.00	8.00 - 9.80	Km +0.5
15.50	8.30 - 9.80	Km +0.7
16.00	8.60 - 9.80	Km +0.9

### PARAMETERS

BASE CURVES (mm)	6.80 to 9.80 (0.30)
DIAMETERS (mm)	13.00 to 16.00 (0.50)
SPHERES (D)	±30.00 (0.25)
CYLINDERS (D)	-0.75 to -8.00 (0.25)
AXES (°)	All (1°)
ADDITIONS	0.50 to 4.00 (0.50) CD/CN

### MATERIAL

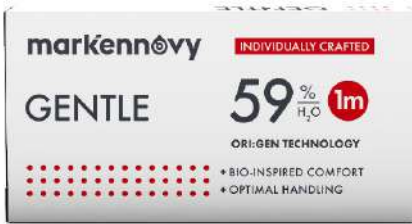
TYPE	Filcon 5B (60) [75%]
DK (ISO 9913-1-1998)	60
DK/T (-3.00 D)	50
WATER CONTENT	75%
CENTRAL THICKNESS (-3.00 D)	0.12
COF	0.02
MODULUS	0.33
UV FILTER	Class 1
HANDLING TINT	Blue
PACK SIZE	3 & 6 lenses
MANUFACTURING PROCESS	Lathed

### PARAMETERS

BASE CURVES (mm)	7.10 to 9.80 (0.30)
DIAMETERS (mm)	13.00 to 16.00 (0.50)
SPHERES (D)	±30.00 (0.25)
CYLINDERS (D)	-0.75 to -8.00 (0.25)
AXES (°)	All (1°)
ADDITIONS	0.50 to 4.00 (0.50) CD/CN

### MATERIAL

TYPE	Filcon 2 (60) [80%]
DK (ISO 9913-1-1998)	60
DK/T (-3.00 D)	50
WATER CONTENT	80%
CENTRAL THICKNESS (-3.00 D)	0.12
COF	0.06
MODULUS	0.16
UV FILTER	Class 1
HANDLING TINT	Blue
PACK SIZE	3 & 6 Lenses
MANUFACTURING PROCESS	Lathed



**Gentle 59 - monthly**

- SPHERIC
- MULTIFOCAL
- TORIC
- MULTIFOCAL TORIC

**Gentle 59** is a bio-inspired hydrogel lens designed to imitate the natural properties of the cornea. It combines high surface lubricity (CoF = 0.05) with low dehydration (< 1%) for excellent comfort, and its modulus (0.36 Mpa) has been carefully calibrated to achieve optimal handling and vision quality throughout the lens' lifecycle, without reducing comfort or health.

CALCULATE THE LENS WITH Ø AND RB			
	DØ (mm)	BC (mm)	Km= (K1+K2)/2
<b>Gentle 59 Fitting Guide</b>  Lens Ø: Add 3mm to the visible iris diameter BC: Km = (K1+K2)/2	13.00	7.10 - 8.90	Km +0.0
	13.50	7.10 - 9.20	Km +0.2
	14.00	7.40 - 9.50	Km +0.4
	14.50	7.70 - 9.80	Km +0.6
	15.00	8.00 - 9.80	Km +0.8
	15.50	8.30 - 9.80	Km +1.0
	16.00	8.60 - 9.80	Km +1.2

**PARAMETERS**

<b>BASE CURVES (mm)</b>	7.10 to 9.80 (0.30)
<b>DIAMETERS (mm)</b>	13.00 to 16.00 (0.50)
<b>SPHERES (D)</b>	±30.00 (0.25)
<b>CYLINDERS (D)</b>	-0.75 to -8.00 (0.25)
<b>AXES (°)</b>	All (1°)
<b>ADDITIONS</b>	0.50 to 4.00 (0.50) CD/CN

**MATERIAL**

<b>TYPE</b>	Filcon 2 (30) [59%]
<b>DK (ISO 9913-1-1998)</b>	30
<b>DK/T (-3.00 D)</b>	25
<b>WATER CONTENT</b>	59%
<b>CENTRAL THICKNESS (-3.00 D)</b>	0.12
<b>COF</b>	0.05
<b>MODULUS</b>	0.36
<b>HANDLING TINT</b>	Blue
<b>PACK SIZE</b>	3 & 6 Lenses
<b>MANUFACTURING PROCESS</b>	Lathed

**QUARTERLY CONTACT LENSES**



**Quattro - quarterly**

- SPHERIC
- MULTIFOCAL
- TORIC

**Quattro** provides spherical, toric and multifocal correction in multiple diameters for patients already accustomed to a 3-monthly lens replacement.

**PARAMETERS**

<b>BASE CURVES (mm)</b>	SPH, TOR 7.70 to 9.80 (0.30) (Ø 14.50) MF 8.00 to 9.00 (0.20) (Ø 14.00) SPH, TOR 7.10 to 9.20 (0.30) (Ø 13.00)
<b>DIAMETERS (mm)</b>	SPH, TOR 13.00 & 14.50 MF 14.00
<b>SPHERES (D)</b>	SPH, TOR ±30.00 (0.25) MF: -12.00 to -1.00 / +1.00 to +8.00 (0.25)
<b>CYLINDERS (D)</b>	-0.75 to -8.00 (0.25)
<b>AXES (°)</b>	All (5°)

<b>ADDITION</b>		SPH +	SPH-
	A	1.00 CN	1.00 CD
	B	1.75 CN	2.00 CD
	C	2.50 CN	3.00 CD

**MATERIAL**

<b>TYPE</b>	Filcon 1 (15) [49%]
<b>DK (ISO 9913-1-1998)</b>	15
<b>DK/T (-3.00 D)</b>	17
<b>WATER CONTENT</b>	49%
<b>COF</b>	0.09
<b>MODULUS</b>	0.41
<b>HANDLING TINT</b>	Blue
<b>PACK SIZE</b>	Single and 2-pack
<b>MANUFACTURING PROCESS</b>	Lathed



Saphir - quarterly

- SPHERIC
- TORIC
- MULTIFOCAL
- MULTIFOCAL TORIC

Saphir provides comfortable, healthy contact lens wear to patients accustomed to a 3-monthly lens replacement.



Equilibria - quarterly

- SPHERIC
- TORIC
- MULTIFOCAL
- MULTIFOCAL TORIC

Equilibria provides a non-silicone option, featuring good water retention and tensile properties, for patients already accustomed to a 3-monthly lens replacement.

Calculate your lens

LØ (mm)	14.50
CB (mm)	7.70 - 9.80
FITTING RULE Km = (K1+K2)/2	0.8

CONVENTIONAL REPLACEMENT



Quattro - annual

- SPHERIC
- MULTIFOCAL
- TORIC

Quattro provides spherical, toric and multifocal correction in multiple diameters for patients already accustomed to a 1-year lens replacement.

PARAMETERS

BASE CURVES (mm)	6.80 to 9.80 (0.30)
DIAMETERS (mm)	13.00 to 16.00 (0.50)
SPHERES (D)	±30.00 (0.25)
CYLINDERS (D)	-0.75 to -8.00 (0.25)
AXES (°)	All (5°)
ADDITIONS	0.50 to 4.00 (0.50) CD/CN

MATERIAL

TYPE	Filcon 5B (60) [75%]
DK (ISO 9913-1-1998)	60
DK/T (-3.00 D)	50
WATER CONTENT	75%
CENTRAL THICKNESS (-3.00 D)	0.12
COF	0.04
MODULUS	0.29
HANDLING TINT	No
PACK SIZE	Single and 2-pack
MANUFACTURING PROCESS	Lathed

PARAMETERS

BASE CURVES (mm)	7.70 to 9.80 (0.30)
DIAMETERS (mm)	14.50
SPHERES (D)	SPH, TOR ±30.00 (0.25) MF, MFT ±23.00 (0.25)
CYLINDERS (D)	-0.75 to -8.00 (0.25)
AXES (°)	All (5°)
ADDITIONS	1.00 to 3.00 (0.50) CD/CN

MATERIAL

TYPE	Filcon 2 (24) [59%]
DK (ISO 9913-1-1998)	24
WATER CONTENT	59%
COF	0.07
MODULUS	0.32
HANDLING TINT	Blue
PACK SIZE	Single and 2-pack
MANUFACTURING PROCESS	Lathed

PARAMETERS

BASE CURVES (mm)	SPH, TOR 7.70 to 9.80 (0.30) (Ø 14.50) MF 8.00 to 9.00 (0.20) (Ø 14.00) SPH, TOR 7.10 to 9.20 (0.30) (Ø 13.00)
DIAMETERS (mm)	SPH, TOR 13.00 & 14.50 MF 14.00
SPHERES (D)	SPH, TOR ±30.00 (0.25) MF: -12.00 to -1.00 / +1.00 to +8.00 (0.25)
CYLINDERS (D)	-0.75 to -8.00 (0.25)
AXES (°)	All (5°)
ADDITION	

	SPH+	SPH-
A	1.00 CD	1.00 CD
B	1.75 CN	2.00 CD
C	2.50 CN	3.00 CD

MATERIAL

TYPE	Filcon 1 (15) [49%]
DK (ISO 9913-1-1998)	15
DK/T (-3.00D)	17
WATER CONTENT	49%
COF	0.09
MODULUS	0.41
HANDLING TINT	Blue
PACK SIZE	Single and 2-pack
MANUFACTURING PROCESS	Lathed

# CONTACT LENSES WITH BLUE LIGHT PROTECTION AND CLASS 1 UV FILTER



## Blu:ssentials - monthly

SPHERIC   
  MULTIFOCAL   
  TORIC

**Blu:ssentials** is a silicone hydrogel lens, combining a Class 1 UV Filter with selective Blue Light Blocking to protect the eye from upwards of 99% of UVB, 93% of UVA, and 14% of harmful blue-violet light. Its select range of parameters offers patients with standard prescriptions protection from UV and blue light originating from the sun, ambient LED lighting at home and in public spaces, and mobile devices.

PARAMETERS	
BASE CURVES (mm)	8.30 to 8.90 (0.30)
DIAMETERS (mm)	14.00 to 15.00 (0.50)
SPHERES (D)	-10.00 to +8.00 (0.25)
CYLINDERS (D)	-0.75 to -2.75 (0.50)
AXES (°)	All (10°)
ADDITIONS	0.50 to 2.50 (0.50) CD/CN

MATERIAL	
TYPE	Filcon 5B (60) [75%]
DK (ISO 9913-1-1998)	60
DK/T (-3.00 D)	50
WATER CONTENT	75%
CENTRAL THICKNESS (-3.00 D)	0.12
COF	0.05
MODULUS	0.25
UV FILTER	Class 1
BLUE LIGHT BLOCKING	Yes
HANDLING TINT	Green
PACK SIZE	3 & 6 Lenses
MANUFACTURING PROCESS	Lathed



## Blu:kidz - monthly

SPHERIC   
  MULTIFOCAL  
 TORIC   
  MULTIFOCAL TORIC

**Blu:kidz** is a silicone hydrogel lens, combining a Class 1 UV Filter with selective Blue Light Blocking to protect the eye from upwards of 99% of UVB, 93% of UVA, and 14% of harmful blue-violet light. Its child-friendly range of diameters makes it possible to fit even the smallest of eyes, whilst its green handling tint and high water content, low dehydration material provide improved handling and comfort-perfect for first-time contact lens wearers!

PARAMETERS	
BASE CURVES (mm)	6.50 to 9.80 (0.30)
DIAMETERS (mm)	11.50 to 16.50 (0.50)
SPHERES (D)	±30.00 (0.25)
CYLINDERS (D)	-0.75 to -8.00 (0.25)
AXES (°)	All (1°)
ADDITIONS	0.50 to 4.00 (0.25) CD/CN

MATERIAL	
TYPE	Filcon 5B (60) [75%]
DK (ISO 9913-1-1998)	60
DK/T (-3.00 D)	50
WATER CONTENT	75%
CENTRAL THICKNESS (-3.00 D)	0.12
COF	0.05
MODULUS	0.25
UV FILTER	Class 1
BLUE LIGHT BLOCKING	Yes
HANDLING TINT	Green
PACK SIZE	3 & 6 Lenses
MANUFACTURING PROCESS	Lathed

# DISPOSABLE MONTHLY CONTACT LENSES

## XTENSA RX HYDROGEL



**Xtensa Rx** is a monthly contact lens lathed from our proven hydrogel material. It offers a wide range of parameters to meet virtually all prescriptions. Its blue visibility tint ensures an easy handling.

- ⊙ SPHERIC
- ⊙ MULTIFOCAL
- ⊙ TORIC
- ⊙ MULTIFOCAL TORIC

### PARAMETERS

<b>BASE CURVES (mm)</b>	SPH, MF 8.50 - TOR, MFT 8.70
<b>DIAMETERS (mm)</b>	14.40
<b>SPHERES (D)</b>	SPH $\pm 30.00$ (0.50 after $\pm 6.00$ ) TOR, MF, MFT $\pm 30.00$ (0.50 after +4.00/-6.00)
<b>CYLINDERS (D)</b>	-0.75 to -7.75 (0.50)
<b>AXES (°)</b>	All (5°)
<b>ADDITIONS</b>	CD +1.50/+2.50 - CN +1.25/+2.25)

### MATERIAL

<b>TYPE</b>	Filcon 4 (19) [55%]
<b>DK (ISO 9913-1-1998)</b>	19
<b>DK/T (-3.00 D)</b>	19
<b>WATER CONTENT</b>	55%
<b>CENTRAL THICKNESS (-3.00 D)</b>	0.10
<b>HANDLING TINT</b>	Blue
<b>PACK</b>	6 lenses
<b>MANUFACTURING PROCESS</b>	Lathed

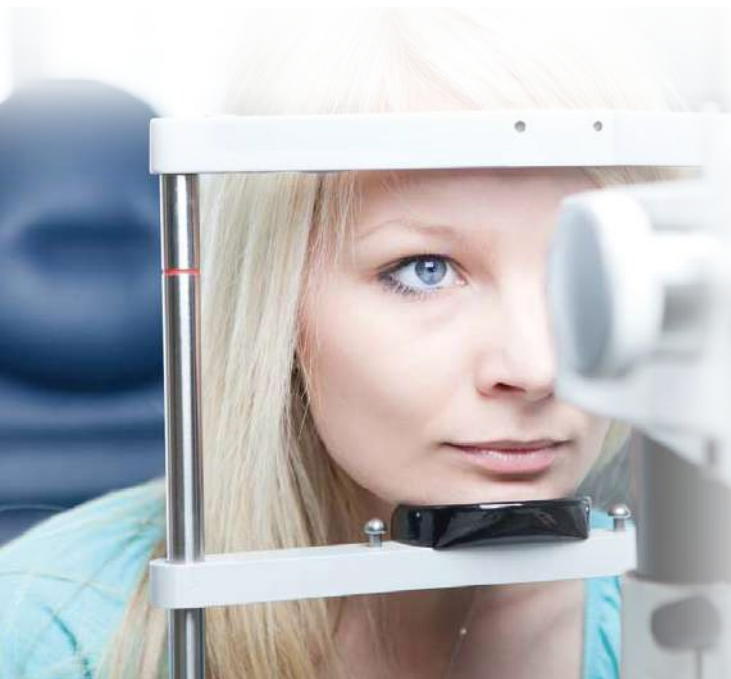
# Focused on your success

## Custom Soft Lenses

From pediatric to presbyope, X-Cel's custom soft contact lens designs offer solutions for hard-to-fit eyes. The custom soft lenses offer a wider range of parameters than conventional soft lenses for a more customized fit. From sphere to toric and irregular cornea designs, be rest assured your patient has options with X-Cel's custom soft lenses.



**X-CEL**  
SPECIALTY CONTACTS



# FLEXLENS® ARC

Atypical Refractive Correction

## CUSTOM SOFT CONTACT LENS FOR IRREGULAR CORNEAS

The Flexlens ARC, Atypical Refractive Correction, is a custom soft lens design that fits like a regular toric contact lens.

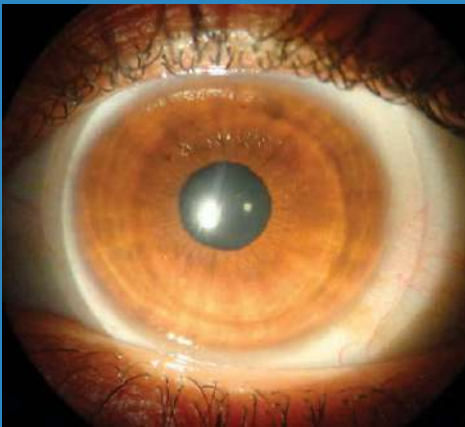
With no need to worry about peripheral curves or any other parameter that may complicate the fit, the ARC is easy to fit, thus reducing chair time.

This lens is indicated for the visual correction of various ocular conditions including keratoconus, pellucid marginal degeneration, corneal transplants, post refractive surgery and/or any irregular cornea conditions.

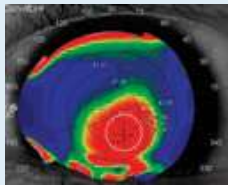
### PARAMETERS

<b>Base Curve</b>	6.0mm to 8.7mm in 0.1mm steps
<b>Fitting Curve</b>	8.6 Standard
<b>Diameter</b>	13.0mm to 16.0mm in 0.5mm steps
<b>Power</b>	+20.00D to -20.00D
<b>Cylinder</b>	-0.50D to -10.00D in 0.25 D steps
<b>Axis</b>	1° to 180° in 1 degree steps
<b>Prism</b>	1.50 standard with 2.00 available
<b>Thickness</b>	0.30mm and 0.50mm

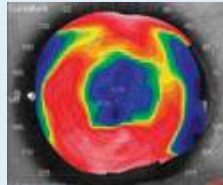




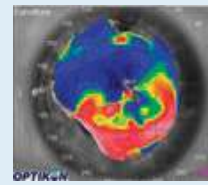
The Flexlens® ARC utilizes a standard back surface fitting curve precise axis, cylinder, and an enhanced center thickness to stabilize the correction over an aberrated cornea. Cylinder powers ranging from -0.75 up to a -10.00 are available with prism ballast to reduce lens rotation. A range of base curves and center thicknesses can be manipulated to successfully fit a wide patient base



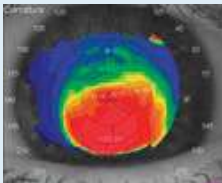
Keratoconus



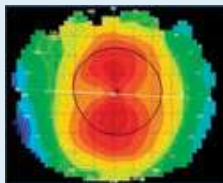
Post Surgical



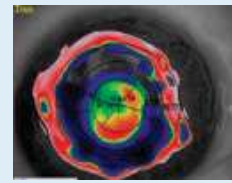
PMD



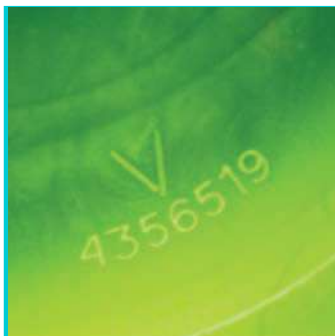
Kerato-Globus



Astigmatism



Cornea Transplant



Lasered V-mark showing lens rotation.  
(mark should be positioned at 6 o'clock)

Imágenes cortesía del Dr. Augusto Rossé, Santiago, Chile.

# TROUBLESHOOTING

Problema	1st Change	2nd Change
Too little or no movement	Flatten BC 0.3mm	Decrease diameter 0.5mm
Excessive movement	Steepen BC 0.3mm	Increase diameter 0.5mm
Central air bubble	Flatten BC 0.3mm	Decrease diameter 0.5mm
Lend fold	Steepen BC 0.3mm	Increase diameter 0.5mm
Excessive touch	Steepen BC 0.3mm	
Unstable over-refraction	Flatten BC 0.3mm	
Unstable lens rotation	Steepen BC 0.3mm	Increase diameter 0.5mm
BCVA not achieved with 0.30 thick lens	Go to 0.50 thick lens	Increase prism to 2.00
		Decrease diameter 0.5mm



# FLEXLENS<sup>®</sup> TORIC

**Designed for success.  
Guaranteed to fit.**

- Custom soft toric contact lens.
- Back surface toric design, with 1.50D of prism ballast to stabilize rotation.
- Provides superior optics.

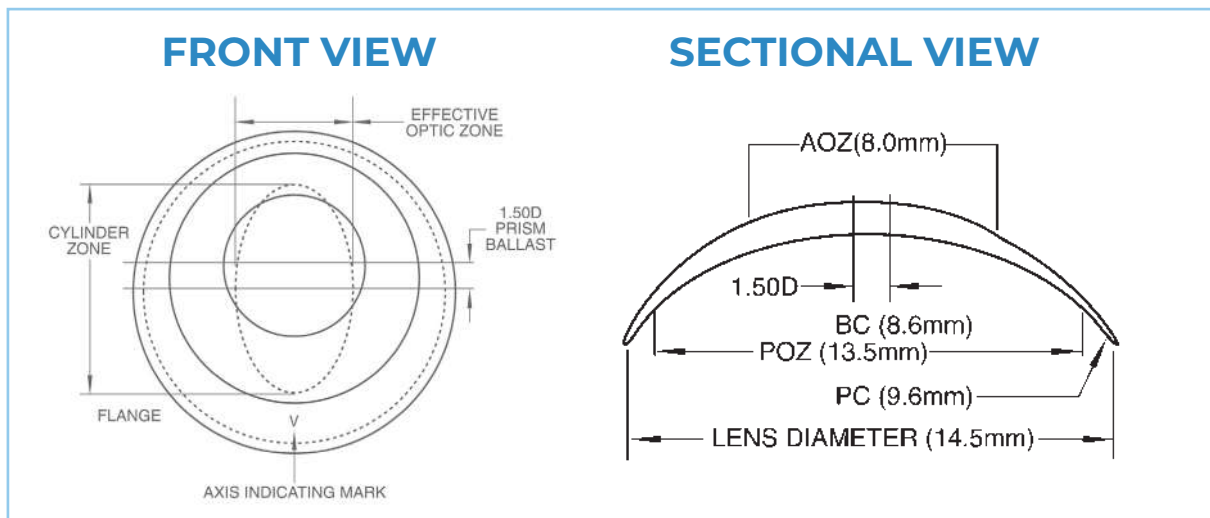
The **Flexlens Toric** Lens is indicated for daily wear use for the correction of visual acuity in aphakic and non-aphakic patients with non-diseased eyes with myopia or hyperopia and possesses refractive astigmatism not exceeding 10.00D.

Design Features	Design Benefits
Prism ballast design	Predictable orientation with minimal rotation
Uniformed edge thickness	Enhanced comfort
Back surface toric	Rapid stabilization
Monthly replacement	Better patient compliance
74% silicone hydrogel	Initial and end of day comfort

## The Design

The Flexlens Toric Lens utilizes a back surface toric design, with 1.50D of prism ballast to stabilize rotation. There is a laser mark (V) at 6 o'clock to mark the location of the prism ballast. Unlike other prism ballasted lenses, the Flexlens Toric maintains a uniformed edge thickness for enhanced comfort. For those patients with high degrees of irregular astigmatism that cannot achieve optimal visual acuity can try a rigid gas permeable lens, Flexlens ARC or the Flexlens Piggyback design.

## Lens Design



## Adaptation Guide

### Flat “K” Reading

45.00D and steeper  
43.25D to 44.75 D  
41.25D to 43.00 D  
41.00D and flatter

### Suggested BC

8.0mm to 8.3mm  
8.3mm to 8.6mm  
8.6mm to 8.9mm  
8.9mm to 9.2mm

### Suggested Diameter

14.0  
14.0 or 14.5  
14.5 or 15.0  
15.0

The chosen lens should be placed on the eye and allowed to settle for a minimum of 20 minutes before evaluating the fit for movement, rotation, and centration. The ideal lens fit should exhibit good centration with approximately 0.25 to 0.50mm of lens movement in primary position. If upon evaluation, the lens rotates more than 10 degrees and your over-refraction does not yield good visual results, consider a change in base curve and/or diameter prior to ordering a new lens that incorporates the cross cylinder as determined by your over-refraction. If lens rotates 10° or less and yields a stable over-refraction then re-order based on new lens that incorporates the cross cylinder as determined by your over-refraction.

PARAMETERS	STANDARD	CUSTOM
<b>Curva Base</b>	8.0mm to 9.2mm in 0.1mm steps	6.8mm to 10.0mm in 0.1mm steps
<b>Diámetro</b>	13.5mm to 15.0mm in 0.1mm steps	10.0mm to 16.0mm in 0.1mm steps
<b>Poder</b>	+10.00 D to -10.00 D (in 0.25 D steps)	+30.00 D to -30.00 D (in 0.25 D steps)
<b>Cilindro</b>	-0.50 D to -10.00 D (in 0.25 D steps)	-0.50 D to -10.00 D (in 0.25 D steps)
<b>Eje</b>	1° increments up to 180°	1° increments up to 180°
<b>Espesor Central</b>	0.16mm at -3.00 D	0.16mm at -3.00 D
<b>Indicación de Uso</b>	Daily wear / Monthly, Quarterly, or Yearly	
<b>Material</b>	Defitive 74% Silicone Hydrogel, 49% Hioxifilcon B	

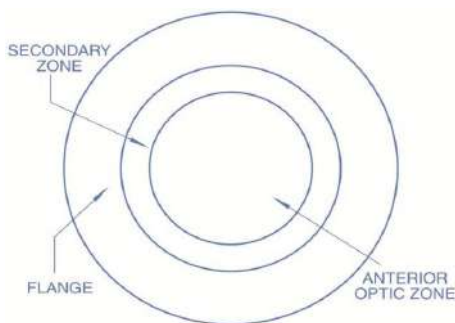
# FLEXLENS® TRI-CURVE KERATOCONUS

## CONTACT LENSES FOR KERATOCONO MODERATE TO ADVANCED

The Flexlens Tri-Curve Keratoconus Lens is based on a tricurve posterior design. The optical success of the design is based on the standard center thickness that ranges from .45 to .65mm which is often thicker than the keratoconus cornea itself. The design incorporates a flat secondary curve of 1.2mm to 1.8mm flatter, depending on the base curve. A scleral curve with a radius of 2.2mm to 2.8mm flatter, depending on the base curve, is added peripherally to align with the scleral curve of the eye. For those patients who exhibit high degrees of irregular astigmatism, they may be better served with the Flexlens ARC design.

### Lens Design

#### FRONT VIEW



#### SECTIONAL VIEW



### PARAMETERS

<b>Base Curve</b>	5.0mm to 11.0mm in 0.1mm steps
<b>Diameter</b>	8.0mm to 16.0mm in 0.1mm steps
<b>Power</b>	+50.00 D to -50.00D in 0.25 D steps
<b>Center Thickness</b>	.45mm to .65mm

# TROUBLESHOOTING

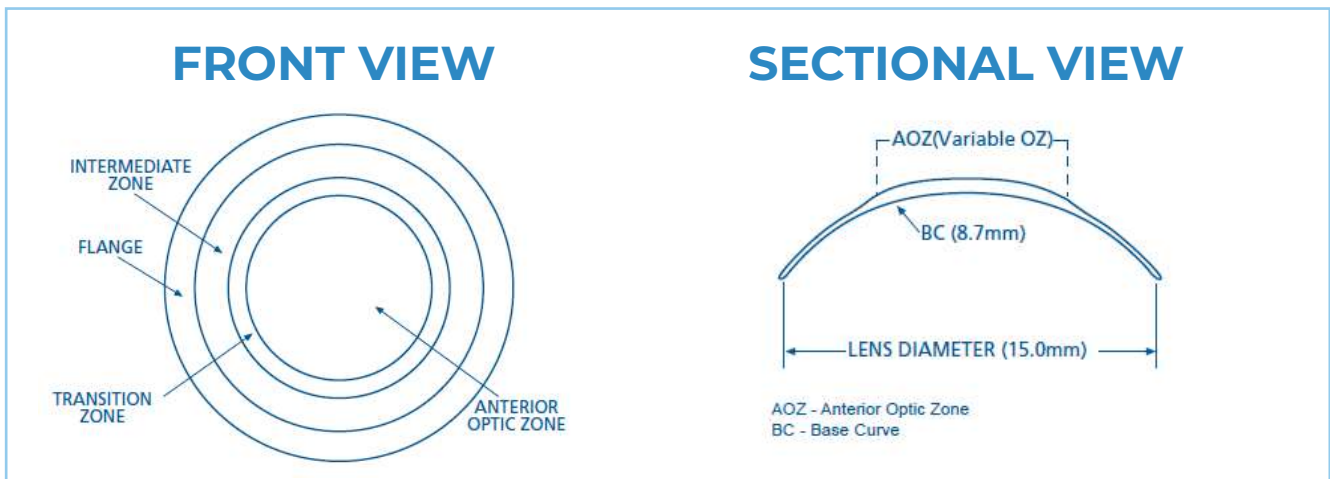
Patient Symptoms	Objective Findings	Possible Causes	Plan
Poor visual acuity on delivery or first follow-up	Unacceptable vision on eye chart	Incorrect refraction or over-refraction	Order new lenses based on new refraction or overrefraction
	Lens not centered	Base curve too flat	Steepen base curve by 0.3mm
		Diameter too small	Increase diameter 0.5mm
	Fluctuating vision	Base curve too flat. Flat Fit = patient will exhibit "clear, blue, clear" when blinking	Steepen base curve by 0.3mm
		Base curve too steep. Steep Fit = patient will exhibit "blur, clear, blur" when blinking	Flatten base curve by 0.3mm
	Sphero-cylindrical overrefraction provides good vision	Cylinder over-refraction 2.00 diopters and under; Center thickness too thin	Increase center thickness .65mm
Cylinder over-refraction over 2.00 diopters		Change to Flexlens ARC design, Atlantis Scleral, Flexlens Piggyback design or utilize spectacles over the lenses	
Vision decreases during the day	Scleral indentation	Lens too steep	Flatten base curve by 0.3mm
		Lens is too large	Decrease diameter by 0.5mm
	Corneal edema	Lens too thick, material does not provide enough oxygen	Increase water content of lens material, or decrease center thickness
Initial discomfort		Lens too steep	Flatten base curve by 0.3mm
		Improper fit	Evaluate fit
Discomfort at days end	Excessive movement	Incompatibility with solutions	Change patient's care system
		Base curve too flat	Steepen base curve by 0.3mm
	Too little or no movement	Diameter too small	Increase diameter 0.5 mm
		Base curve too steep	Flatten base curve 0.3 mm
		Diameter too large	Decrease diameter by 0.5 mm
	Scleral indentation	Lens dehydrating on eye	Decrease water content of lens
Base curve too steep		Change base curve by 0.3mm	
Lens dislodges during wear	Superior or inferior edge lift	Diameter too large	Decrease diameter 0.5 mm
		Base curve too flat	Steepen base curve 0.3 mm

# FLEXLENS<sup>®</sup> POST REFRACTIVE (PRS)

## SOFT CONTACT LENS FOLLOWING CORNEAL REFRACTIVE SURGERY

The Flexlens Post Refractive Lens is indicated for daily wear use for the correction of refractive ametropia and specialized use such as atypical ametropia following corneal refractive surgery. The Post Refractive Lens function allows the central optical portion of the lens to be flatter than the mid-periphery. The optical zone has a thickness of approximately .28mm at -1.00D, which provides stable optics over the central cornea. The peripheral lens carrier is as thin as, or thinner than, any standard soft lens to ensure maximum oxygen permeability to the peripheral cornea, limbus and conjunctiva.

### Lens Design



### PARAMETERS

<b>Base Curve</b>	6.0mm to 11.0mm in 0.1mm steps
<b>Diameter</b>	10.0mm to 16.0mm in 0.1mm steps
<b>Power</b>	+30.00 D to -30.00 D in 0.25 D steps

# TROUBLESHOOTING

Patient Symptoms	Objective Findings	Possible Cause	Plan
Poor visual acuity on delivery or first follow-up	Unacceptable vision on eye chart	Incorrect refraction or over-refraction	Order new lens based on new refraction
	Lens not centered	Base curve too flat	Steepen base curve by 0.3mm
	Fluctuating vision	Center thickness too thin	Increase center thickness to .45mm
	Sphero-cylindrical overrefraction provides good vision	Cylinder over-refraction 2.00 diopters and under; center thickness too thin	Increase center thickness .45mm
Cylinder over-refraction over 2.00 diopters		Change to Flexlens ARC lens design, Atlantis Scleral, Piggyback lens design or utilize spectacles over lenses	
Vision decreases during the day	Scleral indentation	Lens too steep	Flatten base curve by 0.3mm
		Lens is too large	Decrease diameter by 0.5mm
	Corneal edema	Lens too thick, material does not provide enough oxygen	Increase water content of lens material, or decrease center thickness
		Lens is too steep	Flatten base curve by 0.3mm
		Lens is too large	Decrease diameter by 0.5mm
	Deposits	Incompatibility with material	Change to lower water content
Care system not followed or not adequate		Discuss care system with patient and change as necessary	
Initial discomfort		Improper fit	Evaluate fit
		Incompatibility with solutions	Change patient's care system
Discomfort at day's end	Excessive movement	Base curve too flat	Steepen base curve by 0.3mm
		Diameter too small	Increase diameter by 0.5mm
	Too little of no movement	Base curve too steep	Flatten base curve by 0.3mm
		Diameter too large	Decrease diameter by 0.5mm
		Lens dehydrating on eye	Decrease water content of lens
	Scleral indentation	Base curve too steep	Flatten base curve by 0.3mm
Diameter too large		Decrease diameter by 0.5mm	

Flexlens® PRS



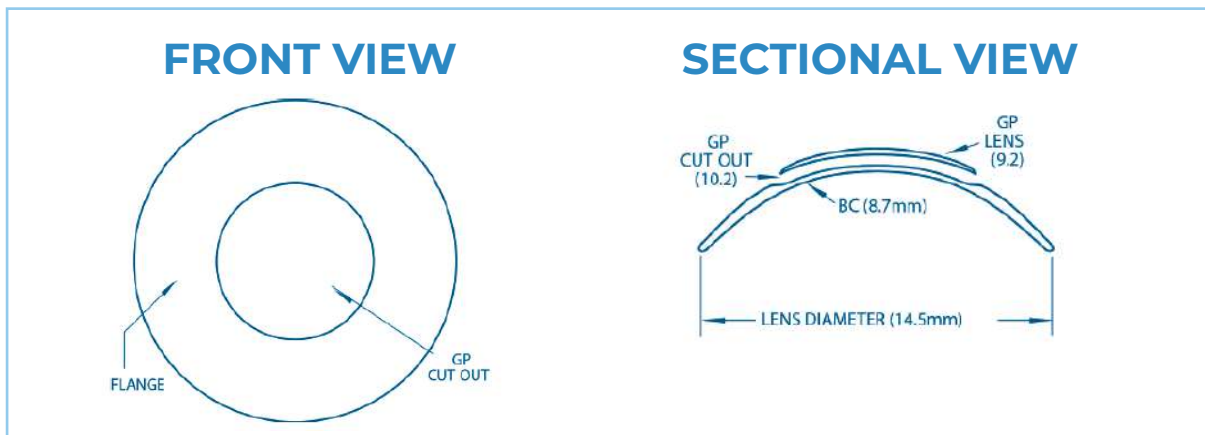
# FLEXLENS<sup>®</sup> PIGGYBACK

## CONTACT LENSES FOR ADVANCED KERATOCONUS

The Flexlens Piggyback Lens design is ideal for the patient who requires the optics of a rigid lens but has difficulty with the initial comfort of that material. This lens is indicated where centralization is difficult to achieve due to an irregular corneal surface. Patients who would benefit from this design could have: Beginning to advanced keratoconus, Refractive corneal surgery, Pellucid marginal degeneration, Corneal trauma, Terrien's marginal degeneration, Corneal surface disease, Penetrating Keratoplasty.

The Piggyback Lens incorporates a central circular depression into the anterior surface of the soft lens carrier. The design recesses the GP lens within the soft lens eliminating upper lid dislodgment and maintaining centration of the GP optics over the pupil.

### Lens Design



PARAMETERS	
<b>Base Curve</b>	6.0mm to 11.0mm in 0.1mm steps
<b>Diameter</b>	10.0mm to 16.0mm in 0.1mm steps
<b>Anterior cut-out diameter</b>	6.5mm to 12.5mm in 0.1mm steps
<b>Power</b>	Flat



# FLEXLENS<sup>®</sup> APHAKIC

Pediatric Patients

## CUSTOM SOFT CONTACT LENS FOR PEDIATRIC APHAKICS

The Flexlens Aphakic is a custom soft lens designed for adult and pediatric aphakics. It is indicated for daily wear use for the correction of refractive ametropia and specialized use such as atypical ametropia. The lens is available for those patients who have undergone cataract removal either as a child or an adult. The range of available lens parameters makes it an ideal lens for any patient who cannot tolerate a GP lens after surgery.

### PARAMETERS

<b>Base Curve</b>	6.0mm to 11.0mm in 0.1mm steps
<b>Diameter</b>	10.0mm to 16.0mm in 0.1mm steps
<b>Power</b>	+00.00 D to +50.00 D in 0.25 D steps

### PATIENT CONDITIONS

- Amblyopia
- Anisometropia
- Large Refractive errors
- Accomodative Esotropia
- Strabismus
- Irregular Astigmatism Errors
- Nystagmus

# FLEXLENS<sup>®</sup> SPHERE

## FOR AN EXACT FIT EVERY TIME

The Flexlens Spherical Lens is indicated for Daily Wear use for the correction of higher degrees of ametropia. The lens is available in a large diameter with or without a thick edge and also with 1.50D or 2.00D of prism.

Standard soft lens fitting principles apply to the Flexlens Spherical Lens. Lens selection should be 4.00D flatter than the patient's flattest keratometric value. There should be lens centration with 1.0 to 1.5mm of limbal draping and lens movement should be minimal, 0.25 to 0.50mm in primary position with normal blink.

### STANDARD PARAMETER

<b>Curva Base</b>	8.0mm to 9.2mm in 0.1mm steps
<b>Diámetro</b>	13.5mm to 15.0mm in 0.1mm steps
<b>Potencia</b>	+10.00 D to -10.00 D in 0.25 D steps

### PARAMETER AVAILABILITY

<b>Curva Base</b>	6.0mm to 11.0mm in 0.1mm steps
<b>Diámetro</b>	10.0mm to 16.0mm in 0.1mm steps
<b>Potencia</b>	+40.00D to -40.00D in 0.25D steps



# MYOPIA CONTROL

S P E C T R U M  
I N T E R N A T I O N A L

# SOFT LENSES FOR MYOPIA MANAGEMENT AND CONTROL

## MYLO SILICONE HYDROGEL



EDOF



EDOF TORIC

**MYLO** is an individually crafted silicone hydrogel contact lens specifically designed for Myopia Management. It is powered by the Brien Holden Vision Institute's patented Extended Depth of **Focus (EDOF) technology, which slows myopia progression and supports a comfortable adaptation to the lens, enhancing the overall wearing experience.**

A monthly disposable contact lens, **MYLO** features high water content, low coefficient of friction and low elastic modulus, which combine to improve comfort throughout the day. Its wide range of parameters ensure an excellent fit, especially for the youngest contact lens wearers.

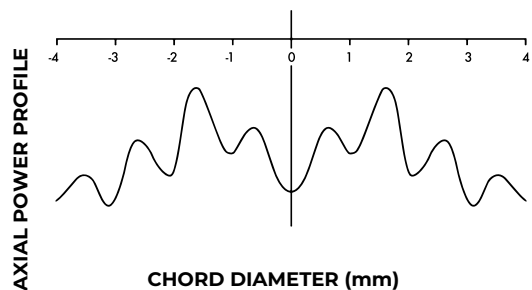
### PARAMETERS

<b>BASE CURVES (mm)</b>	7.10 to 9.80 (0.30)
<b>DIAMETERS (mm)</b>	13.50 to 15.50 (0.50)
<b>SPHERES (D)</b>	-0.25 to -15.00 (0.25)
<b>CYLINDERS (D)</b>	-0.75 to -8.00 (0.25)
<b>AXES (°)</b>	All (1°)

### MATERIAL

<b>TYPE</b>	Filcon 5B (60) (75%)
<b>DK (ISO 9913-1-1998)</b>	60
<b>DK/T (-3.00 D)</b>	50
<b>WATER CONTENT</b>	75%
<b>CENTRAL THICKNESS (-3.00 D)</b>	0.12
<b>CoF</b>	0.02
<b>MODULUS</b>	0.33
<b>UV FILTER</b>	Class 1
<b>HANDLING TINT</b>	Blue
<b>PACK</b>	3 & 6 lenses
<b>MANUFACTURING PROCESS</b>	Lathed

### OPTICAL DESIGN



#### Need fitting advice?

Contact Spectrum International for fitting and certification.

# Myopia Control - Quarterly



## Myopia correction and control

Customized peripheral addition hydrogel contact lenses, indicated for the correction and control of myopia progression, with or without associated astigmatism, in pediatric and adolescent users.

Users with astigmatism up to -6.00 D.

**Customizable Optical Zone from 3mm to 5.5mm (0.5 mm steps)**

### DESIGN

MYO ESENCIA AND MYO ESENCIA TORIC has a cutting-edge design to modify peripheral retinal blur as a method to reduce and/or eliminate visual factors that induce myopic progression and, at the same time, compensate for the user's myopia thanks to a correct focus on the central retina.

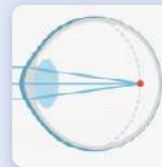


Fig. 1  
No compensation



Fig. 2  
No compensation



Fig. 3  
Watch out for Esencia

### FITTING

MYO ESENCIA



Selection of Rb (mm).  
Kflat +0.40mm (14.00)  
Kflat +0.50mm (14.50)

MYO ESENCIA TORIC



Selection of Rb (mm).  
Kmedium +0.50mm (14.00)  
Kmedium +0.60mm (14.50)

### PARAMETERS



Replacement	Material/Hydrat.	Geometry	Radio Base (mm)	Power (D)	Axis (°)	Diameter (mm)									
Quarterly	<b>GM ADVANCE</b> Acofilcon B 50%	Aspherical / Reverted geometry	From 7.80 to 9.20 in steps of 0.10	<table border="1"> <tr> <td></td> <td>0,25</td> <td>0</td> </tr> <tr> <td>Sphere</td> <td>-20</td> <td></td> </tr> <tr> <td>Cylinder</td> <td>-6</td> <td>-0,75</td> </tr> </table>		0,25	0	Sphere	-20		Cylinder	-6	-0,75	From 0 to 180 Steps of 5	13.00 to 15.00 in steps of 0.10
	0,25	0													
Sphere	-20														
Cylinder	-6	-0,75													

## Myopia Control - Quarterly



### Myopia correction and control in Silicone Hydrogel

Customized peripheral addition soft silicone hydrogel contact lenses, indicated for the correction and control of myopia progression, with or without associated astigmatism, in pediatric and adolescent users.

Users with astigmatism up to -6.00 D.

**Customizable Optical Zone from 3mm to 5.5mm (0.5 mm steps)**

#### DESIGN

**MYO ESENCIA 02 AND MYO ESENCIA 02 TORIC** have a state-of-the-art design to modify the retinal peripheral defocus as a method to reduce and/or eliminate the visual factors that induce myopic progression and, at the same time, compensate the myopia and astigmatism (MYO ESENCIA TORIC, includes in its design an internal torus for astigmatism compensation) of the user thanks to a correct focus on the central retina.

#### FITTING

**MYO ESENCIA 02** »

Selection of Rb (mm).  
Kflat +0.80mm (14.00)  
Kflat +0.90mm (14.50)

**MYO ESENCIA 02 TORIC** »

Selection of Rb (mm).  
Kmedium +0.90mm (14.00)  
Kmedium +1.00mm (14.50)

#### PARAMETERS



Replacement	Material/Hydrat.	Geometry	Radio Base (mm)	Power (D)	Axis (°)	Diameter (mm)									
Quarterly	<b>UNISIL</b>	Aspherical / Reverted geometry	From 7.80 to 9.60 in steps of 0.10	<table border="1"> <tr> <td></td> <td>0,25</td> <td>0</td> </tr> <tr> <td>Sphere</td> <td>-20</td> <td></td> </tr> <tr> <td>Cylinder</td> <td>-6</td> <td>-0,75</td> </tr> </table>		0,25	0	Sphere	-20		Cylinder	-6	-0,75	From 0 to 180 Steps of 5	13.00 to 15.00 in steps of 0.10
	0,25	0													
Sphere	-20														
Cylinder	-6	-0,75													

EI **92%**

of daily activities can be completed without glasses.<sup>1</sup>



### Unique Design for Exceptional Vision for Mature Presbyopes

With NaturalVue® Enhanced Multifocal contact lenses, eye care practitioners can offer a versatile solution for presbyopes across all age ranges – catering to those from emerging to mature stages who prefer to maintain their contact lens lifestyle.

**1**

One Universal ADD delivers statistically better near vision while maintaining clear distance vision, with no need for extensive refitting as the patient ages.

**88%**

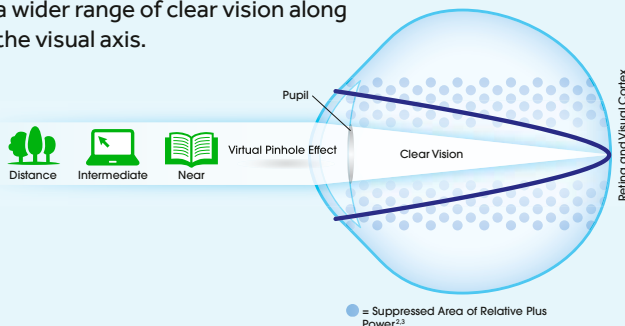
Universal Extended Depth-of-Focus design for a simplified fit. 88% of patients were successfully fit<sup>1</sup> with the first pair of lenses.\*

**4:1**

Patients preferred NaturalVue® Multifocals 4:1 vs. other select multifocal lenses.<sup>1</sup>

### The Neurofocus Optics® Difference

This patented technology results in an extended depth of focus, delivering a wider range of clear vision along the visual axis.



### Excellent Visual Acuity Comparable to Spectacle Vision<sup>1</sup>

In clinical trials, patients achieved average visual acuity within two letters of best corrected spectacle vision.<sup>1</sup>

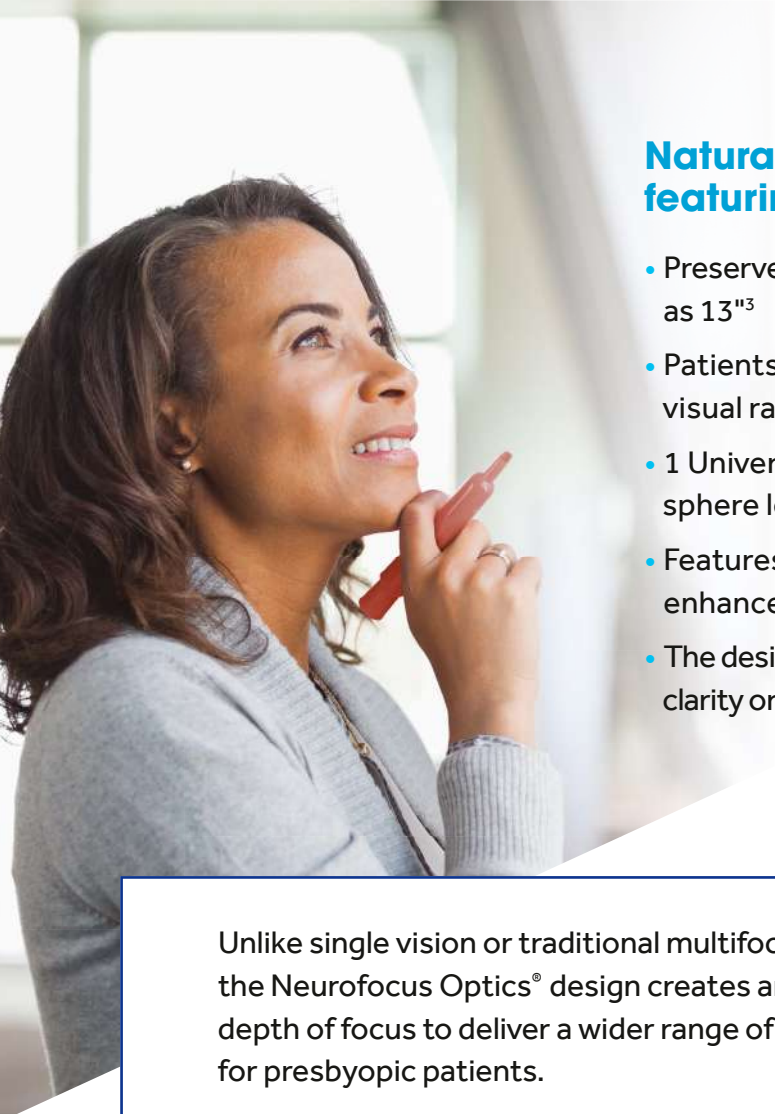


Wearers experienced **significantly better stereoacuity\*\*** than leading lenses tested.<sup>2</sup>

■ Best-Corrected Spectacle Vision  
■ NaturalVue® Multifocal 1 Day contact lenses

No statistical difference in acuity between BCSV and NVMF was observed. p=0.05





## NaturalVue's Neurofocus Optics® Design featuring 1 Universal ADD

- Preserves distance vision and provides functional vision as close as 13"<sup>3</sup>
- Patients experience minimal degradation across a wide visual range<sup>3</sup>
- 1 Universal ADD enables fitting like a single vision distance sphere lens and results in rapid adaptation
- Features TripleTear® lubrication system, including 3 comfort enhancers, especially helpful for mature presbyopes
- The design offers long-term contact lens wear without sacrificing clarity or functional visual range

Unlike single vision or traditional multifocal lenses, the Neurofocus Optics® design creates an extended depth of focus to deliver a wider range of clear vision for presbyopic patients.




### NaturalVue® Enhanced Multifocal Lens Specifications

<b>Full Power Range:</b> +4.00D to -12.25 in 0.25D steps (full range)	<b>ADD:</b> Extended Depth of Focus universal ADD; ADD power requirements up to 3.00D
<b>Design:</b> Extended Depth of Focus (Center Distance)	<b>Material:</b> etafilcon A (58% Water)
<b>Base Curve:</b> 8.3	<b>Diameter:</b> 14.5
<b>Visibility Tint:</b> Light blue	<b>Modality:</b> Single-use daily wear
<b>Pack Sizes:</b> 90-pack Revenue, 30-pack Revenue, 10-pack Trial	<b>Replacement Schedule:</b> Daily Disposable
<b>UV Protection:</b> Class 2 UV Blocker. The UV Blocking averages 98% in the UVB range of 280nm to 315nm and 84% in the UVA range of 316nm to 380nm.***	

\*When following the NaturalVue Multifocal fitting guidelines.

\*\*Statistically significant

\*\*\*UV absorbing contact lenses aren't substitutes for protective UV absorbing eye wear – for example, protective UV absorbing goggles or sunglasses – because they don't completely cover the eye and surrounding area. Patients should continue to use UV absorbing eye wear as directed. Note: Long term exposure to UV radiation is a part of risk factors associated with cataracts. Exposure is according to a number of factors, for instance environmental conditions (altitude, geography, cloud cover) and personal factors (extent and nature of outdoor activities). UV absorbing contact lenses help provide protection against harmful UV radiation. However, clinical studies have not been done to demonstrate that wearing UV-absorbing contact lenses reduces the risk of developing cataracts or other eye disorders. Consult your Eye Care Professional for more information.



# HYBRID LENSES

S P E C T R U M  
I N T E R N A T I O N A L

# HYBRID ASTIGMATISM

# Duette® CONTACT LENSES

The unique advanced-technology Duette hybrid contact lens is ideal for patients with astigmatism, especially those who have experienced discomfort with GP lenses or frustration with fluctuating soft toric vision. Duette provides the optimal, clear vision of a GP lens, with soft lens comfort.

The hybrid design eliminates rotation issues experienced with soft toric lenses, while providing stable centration for excellent visual acuity. SoftCushion® Comfort Technology enhances tear exchange and lens movement.

Fitting Duette is straightforward; lenses may be fitted empirically with Ks and Rx, without the need for diagnostic sets.

The Duette Empirical Calculator ([www.duettecalculator.com](http://www.duettecalculator.com)) can be used to help select the initial lens.

## LENS BENEFITS

- High performance vision for astigmatism.
- Uncompromised GP optics.
- SoftCushion® Comfort Technology.
- Hybrid platform offers centration and stability.
- Vision is not affected by lens rotation.
- Excellent protection of ocular health: 130-Dk GP centre; 84-Dk silicone hydrogel soft skirt.
- UVA and UVB blocker for sun protection.
- Straightforward empirical fitting.

## DESIGN

- Dual aspheric permeable center delivers exceptional vision.
- Patented HyperBond® junction secures GP center and soft skirt.
- SoftCushion® Outer Landing Zone cushions for increased comfort.
- Enhanced Profile (center thickness) option available.



## PARAMETERS

Skirt Curves	Base Curves	Lens Power	Diameter	Materials	Enhanced Profile
8.7 Flat 2, 8.4 Flat, 8.1 Medium	7.1 to 8.3 in 0.1 mm steps	+10.00 to -15.00 D +8.00 a -8.00 D in 0.25 D steps +8.50 to +10.00 D in 0.50 D steps -8.50 to -15.00 D in 0.50 D steps	14.5mm	84 Dk SiHy skirt 130 Dk GP center Class II UVA / UVB Blocker	Center thickness option available

## PARAMETERS



Skirt Curves	Base Curves	Lens Powers	Materials	Power de Add (for SynergEyes MF)
1.0 and 1.3 flatter than base	7.0 to 8.2 in 0.1 mm steps	+20.00 to -20.00 D	Hema skirt 100 Dk GP center	+0.75 D +1.25 D +1.75 D +2.25 D

# HYBRID IRREGULAR CORNEA

The advanced-technology, 2nd generation UltraHealth hybrid contact lens is indicated for patients with keratoconus, as well as many other irregular corneas. With a 14.5mm total diameter and an 8.5mm gas permeable center, UltraHealth is designed to vault the corneal ectasia, providing excellent GP vision along with great centration and comfort provided by the soft skirt.

A diagnostic fitting set can be used to determine the appropriate initial lens order.

## LENS BENEFITS

- Proven hybrid platform offers vision, comfort, centration and lens stability for irregular cornea patients.
- New fitters rate UltraHealth “much more straightforward” to fit than other irregular cornea lenses.
- Patients experience vision “one or two lines better than their previous modality”.

Patients were “happy or very happy with the visual outcome”.

- Excellent protection of ocular health: 130-Dk GP center; 84-Dk silicone hydrogel soft skirt.
- UVA and UVB blocker for sun protection.

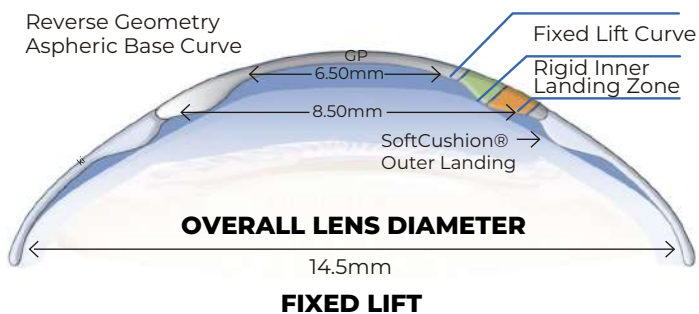
## PARAMETERS

Skirt Curves	Base Curves	Lens Powers	Materials
50-25 $\mu$ : 8.7 Flat2, 8.4 Flat, 8.1 Med, 7.9 Steep 300-550 $\mu$ : 8.4 Flat, 8.1 Med, 7.9 Steep	50 to 550 in 50 $\mu$ steps	+10.00 to -20.00 D +2.50 to +10.00 D in 0.50 D steps +2.00 to -8.00 D in 0.25 D steps -8.50 to -20.00 in 0.50 D steps	84 Dk SiHy Skirt 130 Dk GP Center Class II UVA / Blocker UVB

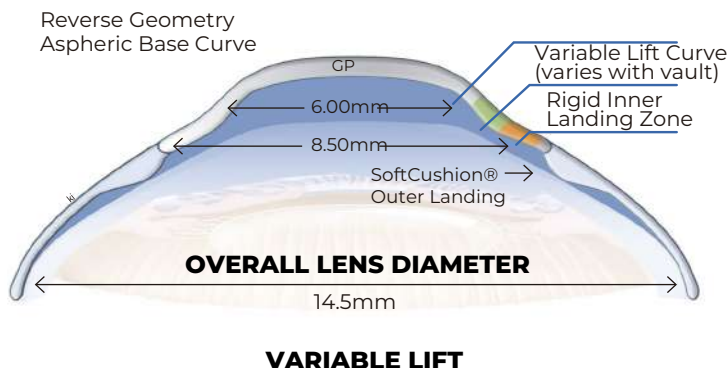
## DESIGN

- Aspheric, reverse geometry vaulted lens design for clear GP vision.
- Patented HyperBond® junction secures GP center and soft skirt.
- SoftCushion® Outer Landing Zone cushions for increased comfort.
- UVA and UVB blockers to protect the eye from harmful rays.

### UltraHealth Lens Design Vaults 50 $\mu$ - 250 $\mu$



### UltraHealth Lens Design Vaults 300 $\mu$ - 550 $\mu$



# HYBRID IRREGULAR CORNEA

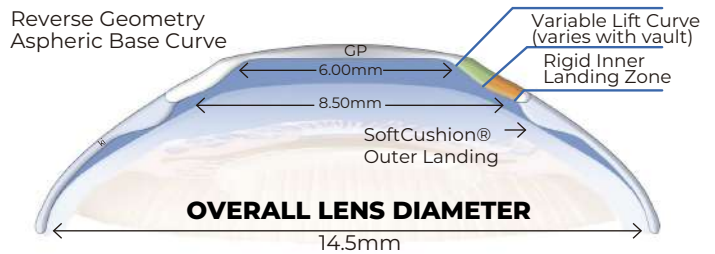
**ULTRAHEALTH** FC  
CONTACT LENSES

The UltraHealth FC hybrid contact lens is an extension of the UltraHealth product line. It is indicated for eyes with refractive errors resulting from corneal surgery or trauma including hyperopia, myopia, astigmatism and irregular astigmatism. The design of the lens works well with oblate corneas or corneas that may need more peripheral lift. A diagnostic fitting set can be used to determine the appropriate initial lens order.

## DESIGN

- Aspheric, reverse geometry vaulted lens design for clear GP vision.
- Includes flatter base curves than standard UltraHealth.
- Patented HyperBond® junction secures GP center and soft skirt.
- SoftCushion® Outer Landing Zone cushions for increased comfort.
- UVA and UVB blockers to protect the eye from harmful rays.

### UltraHealth FC Lens Design 055µ - 505µ



**VARIABLE LIFT**

## PARAMETERS

Skirt Curves	Base Curves	Lens Powers	Diameter	Materials
8.4 Flat, 8.1 Medium, 7.9 Steep	50 to 505 in 50µ steps	+10.00 to -20.00 D +2.50 to +10.00 in 0.50 D steps +2.00 to -8.00 in 0.25 D steps -8.50 to -20.00 in 0.50 D steps	14.5mm	84 Dk SiHy Skirt 130 Dk GP Center Class II UVA / UVB Blocker

## LENS CARE RECOMMENDATIONS

The standard of care for hybrid contact lenses is to clean, rinse and disinfect lenses each time they are removed using solutions approved for soft contact lenses. Call our Technical Support team for further advice on lens care at +1 470 208 7030 or Email: [sales@spectinternational.com](mailto:sales@spectinternational.com)

Use chemical (not heat) disinfection systems (Multi-Purpose or Hydrogen Peroxide\* solutions) approved for soft contact lenses, as recommended by your eye care professional.



# HYBRID PRESBYOPIA

# Duette® PROGRESSIVE CONTACT LENSES

Duette Progressive is available in both Center Distance and Center Near designs. The Center Distance lens has adjustable center distance optics: the Center Distance zone size ranges from 1.8 - 4.0mm, driven by photopic pupil size. Add powers range from +0.75 to +5.00 D. The Duette Progressive Center Near design provides a seamless progression of power from near to distance and a choice of three add powers.

Fitting Duette Progressive is straightforward. Lenses may be fit empirically without the need for diagnostic sets or fluorescein. Provide Ks, Rx and HVID, with add power and pupil size to create the initial lens. The Duette Empirical Calculator ([DuetteCalculator.com](http://DuetteCalculator.com)) can be used to help select the initial lens.

## LENS BENEFITS

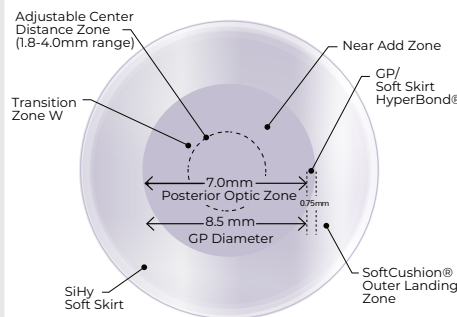
- High performance vision for the Continuum of Presbyopia especially astigmatic presbyopes: emerging, moderate, and advanced.
- Uncompromised GP optics.
- SoftCushion® Comfort Technology.
- Excellent ocular health: 130-Dk GP center; 84-Dk silicone hydrogel soft skirt.
- Hybrid platform offers centration and stability which are very important for multifocal vision. Vision is not affected by lens rotation.
- UVA and UVB blocker for sun protection.
- Straightforward empirical fitting.

## DESIGN

- Dual aspheric gas permeable center delivers exceptional vision.
- Center Distance and Center Near Designs.
- Patented HyperBond® junction secures GP center and soft skirt.
- SoftCushion® Outer Landing Zone cushions for increased comfort.
- Enhanced Profile (center thickness) option also available.

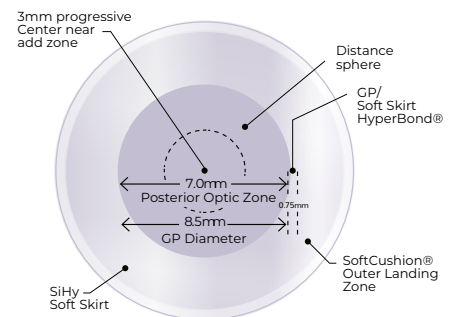
### Central Distance Design (CD)

Adjustable Central Distance Zone (mm): 1.8-4.0  
Add Powers (D) +0.75 to +5.00 in 0.25 D Steps



### Central Design Close (CC)

Central Near Zone (mm): 3.0  
Add Powers (D) +1.00, +1.75, +2.50



## PARAMETERS

Curve Base (mm)	Skirt Radius	Diameter (mm)	Lens Powers (D)	Materials	Enhanced Profile
7.1 to 8.3 in 0.1mm steps	8.1 (Medium) 8.4 (Flat) 8.7 (Flat 2)	14.5	+5.50 to -10.00 D +5.50 to -8.00 D in 0.25 D steps -8.50 to -10.00 D in 0.50 D steps	130 Dk Center GP 84 Dk SiHy Skirt Class II UVA/ UVB Blocker*	Center Thickness option available

# HIBRID PRODUCT MATRIX

Corneal Conditions	1st option	2nd option
Spherical Eye: Myopia and Hyperopia	Duette	SynergEyes A
Astigmatism up to 2.25 D	Duette	SynergEyes A
Astigmatism 2.50 D or more	Duette Enhanced Profile	SynergEyes A Enhanced Profile
Normal Cornea with Presbyopia	Duette Progressive	
Presbyopia with Astigmatism up to 2.00 D	Duette Progressive Near or distance zone	
Presbyopia with Astigmatism 2.25 D or more	Duette Progressive Enhanced Profile Near or distance zone	
Emerging Keratoconus	UltraHealth	UltraHealth FC
Moderate Keratoconus (low cone)	UltraHealth FC	UltraHealth
Moderate Keratoconus (central cone)	UltraHealth	SynergEyes KC
Advanced Keratoconus	UltraHealth	SynergEyes KC
Early Pellucid Marginal Degeneration	UltraHealth FC	UltraHealth
Moderate Pellucid Marginal Degeneration	UltraHealth FC	UltraHealth
Advanced Pellucid Marginal Degeneration	UltraHealth	
Post Keratoplasty - Oblate Graft	UltraHealth FC	
Post Keratoplasty - Prolate Graft	UltraHealth	
Post Surgical Ectasia (mild to moderate)	UltraHealth FC	UltraHealth
Post Surgical Ectasia (severe)	UltraHealth	

**Legend**

Hybrid Lenses Normal Cornea

Hybrid Lenses Irregular Cornea



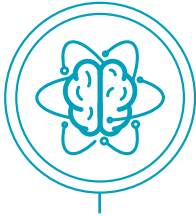
# SCLERAL LENSES

S P E C T R U M  
I N T E R N A T I O N A L



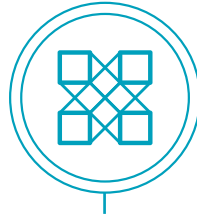
## A LENS BOTH YOU AND YOUR PATIENTS WILL LOVE.

BostonSight SCLERAL is an evidenced-based lens design backed by BostonSight's 30+ years of experience fitting the most challenging and complex ocular surface disease cases.



### SMART

9 out of 10 fits achieve optimal vision with built-in SmartSight®



### PREDICTABLE

3 out of 4 fits are successful with the go-to standard lens from the FitKit.



### EFFICIENT

7 out of 10 fits don't require any change in haptic design.

## ONE LENS. DESIGNED YOUR WAY.

BostonSight SCLERAL lets you customize the lens for each patient — ensuring great outcomes.



### BUILT-IN FEATURES

#### SplineCurve® Technology

For parameter change independence

#### Quadrant-Specific Toric

Control the changes you want to make in a quadrant-specific manner

#### Oval Optic Zones

For better centration



### SMART SUITE

#### SmartChannel® Technology

Add up to four channels — the most in the industry — to vault anatomical obstacles, promote tear exchange, and reduce suction

#### SmartSight®

Choice of three front surface eccentricity options to correct HOAs; and for more challenging HOAs, add SmartSight®HOA for custom correction

#### Smart360® Technology

Digitally design a custom lens with industry profilometers

## WORKS FOR A RANGE OF CONDITIONS FROM SIMPLE TO MORE COMPLEX

Dry eye, keratoconus, corneal ectasia, ocular surface disease, and more.

Small HVIDs (<=11.0mm)  
Small apertures  
Tight lids  
Regular corneas  
Pediatric patients  
Difficulty handling lenses

16, 16.5, 17 mm lens

17.5 mm lens (Smart360 only)

Large HVIDs (>=11.5mm)  
Compromised ocular surface  
Highly ectatic corneas  
Chronic exposure  
Compromised/fragile grafts  
Severe dry eye

18, 18.5, 19 mm lens

## BOSTONSIGHT SCLERAL LENS PARAMETER AVAILABILITY

<b>DIAMETERS</b>	16.0mm, 16.5mm, 17.0mm, 17.5mm with Smart360, 18.0mm, 18.5mm, and 19.0mm
<b>SPHERE POWER</b>	-20.00 Diopters to +20.00 Diopters
<b>SAGITTAL HEIGHT</b>	2.0mm to 6.0mm in 0.1mm (50µm) steps
<b>OPTIONS</b>	<p><b>SmartSight Technology:</b> SmartSight FSE (included in price) SmartSight HOA (incurs one-time additional fee)</p> <p><b>SmartChannel Technology:</b> (included in price) Ventilating channels Vaulting over anatomical obstacles</p> <p><b>Front surface toric Rx</b> (included in price)</p>
<b>PREFERRED MATERIAL</b>	Optimum-Extra, Optimum-Extreme and Optimum-Infinite by Contamac
<b>OTHER MATERIAL OPTIONS</b>	Boston <sup>®</sup> EQII, Boston <sup>®</sup> XO2 in clear or ice blue, Tangible Hydra-PEG (Hydra-PEG incurs one-time additional fee)

# SMARTLENS SCLERAL LENS DESIGN SMART 4 ZONE

**ZONE 1: CENTRAL VAULT (CVZ) | ZONE 2: PERIPHERAL CORNEA (PCZ)**  
**ZONE 3: LIMBAL LIFT (LLZ) | ZONE 4: SCLERAL LANDING (SLZ)**



The **SMARTLENS™** is the first simplified engineered scleral lens made with a unique Smart 4 Zone design feature, integrating (4) independent customizable zones to allow parameter changes to be made simply and smartly for each corneal shape and size.

The fitting set is conveniently available in 3 lens diameters with a 16-lens diagnostic lens set, a wider range of patients can be **easily fit with a first fit success rate higher than ever before!**

The **SMARTLENS™** simplifies scleral lens fitting unlike any other scleral lens design, with complete customization control for increased patient success.

**360°**

**2 LENSES** 15.0 DIAMETER SYMMETRIC

**7 LENSES** 15.5 DIAMETER TORIC LANDING

**7 LENSES** 16.5 DIAMETER TORIC LANDING

## UNIQUE SMARTLENS PROVIDES

- Limbal and scleral zone toricity (toric haptics)
- Quadrant specific control option
- Front toricity
- Prolate and oblate corneas

**ALL IN ONE DESIGN !**

# SMART 4 ZONE SCLERAL LENS DESIGN

The SMARTLENS™ is a new generation of vaulting scleral lens which incorporates numerous unique features unlike any other, making it the smartest scleral lenses design.

## 4 SMART ZONE

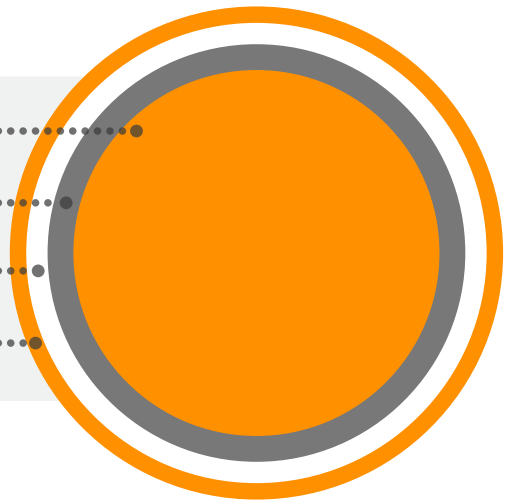
INDEPENDENTLY CONTROLLED ZONES

ZONE 1: (CENTRAL VAULT ZONE) .....

ZONE 2: (PERIPHERAL CORNEAL ZONE) .....

ZONE 3: (LIMBAL LIFT ZONE) .....

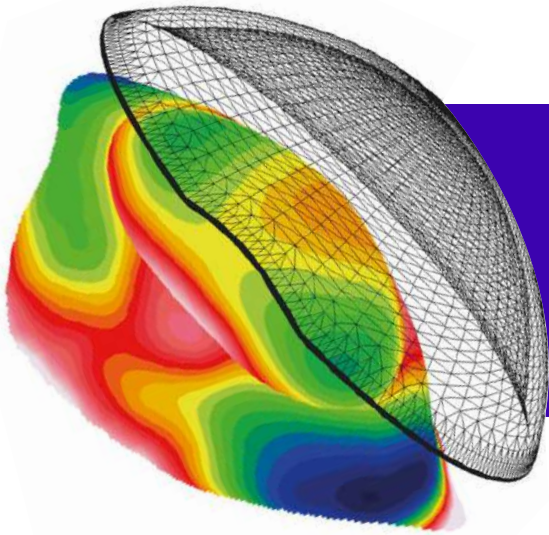
ZONE 4: (SCLERAL LANDING ZONE) .....



Utilizing a proprietary **SMART 4 ZONE**, lens design, the **SMARTLENS™** is incredibly forgiving in fit with a high first fit success rate. When needed, each zone can be highly customized for the most complex of corneal and scleral shapes, making it the smartest lens design in the market.

The **SMARTLENS™** construction allows it to be successful on normal corneal shapes as well as highly irregular post-surgical, diseased trauma and bulging conditions. Practitioners have a wide range of fitting options from symmetric, toric and asymmetric landing, variable lens diameters, single vision, aberration control and multifocal optics.

The **SMARTLENS™** provides practitioners with a scleral lens that can fit virtually any eye shape or condition with both efficiency and success.



## Discover success with our multifocal scleral lenses

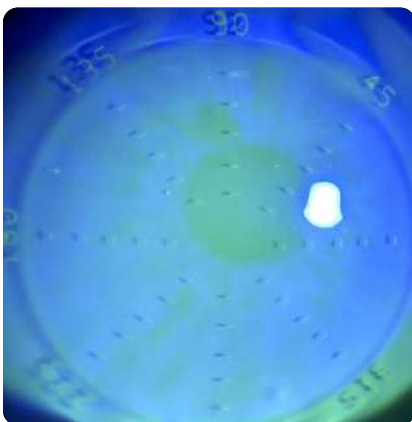
- Fewer remakes
- Reduced chair time
- Free-form landing and alignment to the sclera
- Overall higher patient satisfaction
- Increased confidence

### PROGRESSIVE AND ASPHERIC OPTICS:

- Multiple optic choices to solve the presbyopia issue including cylindrical correction.
- Over 7 different types of multifocal lenses to choose from.

## On Point

ALIGNMENT TECHNOLOGY



### MADE WITH PATENTED ONPOINT ALIGNMENT TECHNOLOGY

OnPoint Alignment Technology is laser-marked diagnostic lenses. The laser alignment grid gives precise output to the angle and the amount of offset needed for a custom optic. No Guessing Period.

# QUADRANT SPECIFIC AT ANY AXIS NO LIMITATIONS



- ✓ **Multi-Meridan Haptics**  
At any axis 360
- ✓ **AccuVault**  
For Pinguecula, Pterygium and Nodules
- ✓ **Contour Enhanced Landing**  
Reducing "Heal-Toe" compression
- ✓ **Off-Set Optics**  
Utilizing Onpoint Alignment Technology
- ✓ **HD Optics**  
HOA Corrections
- ✓ **Serial Numbers**  
Laser identification

## 16.3 Scleral Lens

### Patient Types & Indications

- Keratoconus
- Pellucid Marginal Degeneration
- Post-Refractive Surgery
- Ocular Surface Disease
- Keratoglobus
- Post-Trauma
- Dry Eye Symptoms
- High Hyperopia
- High Myopia
- Presbyopia
- Astigmatism
- Aphakic
- Unhappy Soft Toric or GP Lens Wearers

### Advancements in Scleral Lens Design for Irregular and Normal Corneas

The ICD FLEXFIT 16.3mm diameter will “FLEX” from 15.5mm to 17.0mm in 0.1mm increments, based on ocular conditions, for a custom fit.

It features a 4-Zone lens design with Auto-FLEX technology, allowing increment adjustments to easily be made to the vault or landing while auto-adjusting the sagittal depth exactly to the patient’s cornea.

Due to the asymmetric nature of the sclera, the Dual Depth Periphery™ allows for the ICD FLEXFIT lens to land appropriately on the scleral, providing rotational stability<sup>1</sup> for faster fitting success and a greater patient experience.

### Dual Depth Periphery™ Toric Landing

- Provides Rotational Stability
- Improves Lens Fit
- Reduces Chair Time
- Improves Comfort
- Improves Wearing Time



Front Surface Toric Markers

*“As a specialty contact lens fitter, finding a scleral lens design that is easy to work with is essential to limit the number of re-fits and reducing chair time. The ICD FLEXFIT lenses have “flexible” clearance zones that allow me to design the most ideal lens fit for my patient’s eyes.”*

**Dr. Alan Ng, MSc, OD, FAAO**

### ICD FLEXFIT Toric



Available in a front surface toric for residual astigmatism

<sup>1</sup> Global researches have determined through studies that toric peripheral scleral lenses, like Dual Depth Periphery improve fit, comfort and wearing time: Visser et al (2006), Schornack (2013), Visser et al (2013).

16.3

# 14.8 Scleral Lens

For Smaller  
Corneas

## Advancements in Scleral Lens Design for Irregular and Normal Corneas

This 14.8mm lens design can “FLEX” from 14.5mm to 15.5mm in 0.1mm increments, based on ocular conditions, for a custom fit.

Featuring the 4-Zone lens design with unique Auto-FLEX technology, increment adjustments can easily be made to the vault or landing while auto-adjusting the sagittal depth exactly to the patient’s cornea.

Innovative scribe mark feature ensures quick assessment of the limbal vault.

Featuring the 4-Zone lens design with unique Auto-FLEX technology, increment adjustments can easily be made to the vault or landing while auto-adjusting the sagittal depth exactly to the patient’s cornea.

Innovative scribe mark feature ensures quick assessment of the limbal vault.



Innovative Lens Scribe Marks

**Designed to deliver easy scleral lens fitting for exceptional vision, eye health and comfort.**



### ICD FLEXFIT Scleral Diagnostic Fitting Set

2 Diameters, 16.3mm and 14.8mm

1 Fitting Philosophy

1 Fitting System = All-in-One Diagnostic Fitting Set

**For Scleral Lens Success**

14.8





**BASIC (16mm) 20 lenses**  
6 lenses with toric haptics

**ADVANCED (18mm) 13 lenses**

## DESCRIPTION

The EUROPA SCLERAL contact lens is available in a 16mm and 18mm diameter lens. EUROPA SCLERAL lenses rest on the sclera and completely vault the cornea allowing it to hold a fluid reservoir.

The EUROPA SCLERAL is intended to be a 2nd generation JUPITER ESCLERAL™ lens that has been uniquely designed so that it is able to successfully fit a wide variety of corneal and scleral geometries. Multiple fitting sets are not necessary to fit oblate and prolate corneas, as is often the case with other available scleral lens designs. The EUROPA SCLERAL contact lens is designed to manage mild to severe levels of corneal irregularity and ocular surface disease.

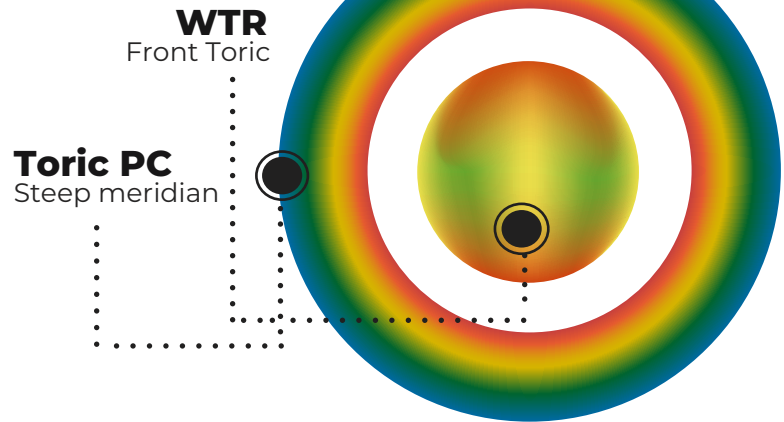
### PARAMETERS

<b>Base Curve</b>	Any
<b>Diameter</b>	16.0, 18.0 & 20.0mm
<b>BV Powers</b>	Made to order
<b>Cylinder</b>	-0.25 D to -15.00 D (in 0.25 steps)
<b>Axis</b>	1° to 180° (in 1 steps)
<b>Toric Haptic</b>	0.50 D to 8.00 D in 0.50 steps
<b>Add Power</b>	+1.00 to +3.50 (in 0.50 steps)

**OPTIMUM**

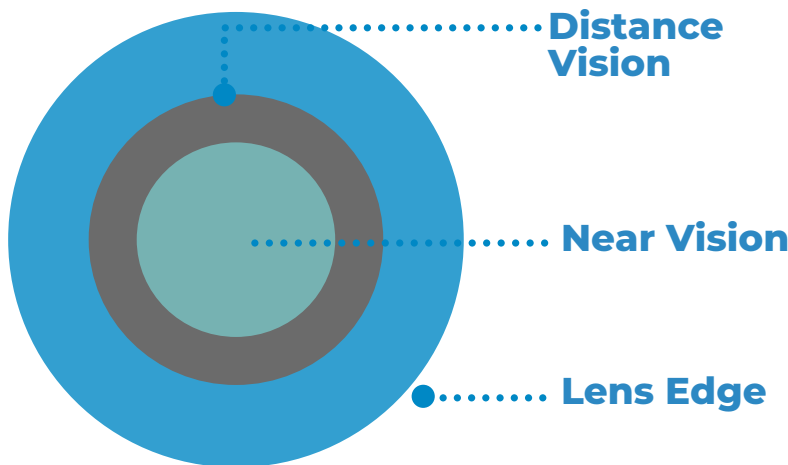
All lenses are plasma treated to ensure surface wetting.

# BI-TORIC (FRONT TORIC & TORIC HAPTICS)



For fitting of the EUROPA for Presbyopia, follow these fitting principles. The Europa for Presbyopia is a concentric bifocal with a near center front surface (that is, with the central zone for near and the periphery for far) and the back surface is that of the EUROPA SCLERAL lens. With Europa for Presbyopia, the goal is to live focused...with distance and near vision.

Use the fitting principles listed in this fitting guide. Over refract the patient with a spherical component only. Attempt to achieve good visual acuity without over refracting the patient. Simply record dominate eye, add power and the basic elements of the EUROPA fitting: central clearance, limbal clearance, and scleral alignment. For absolute presbyopes, it is recommended to start with a +2.00 add OU, and modify if necessary to a +2.00 dominate eye and +2.50 non-dominate eye.



## PARAMETERS

### Add Powers

+1.00 D, +1.50 D, +2.00 D, +2.50 D,  
+3.00 D, +3.50D

### 2mm Central Zone Nearby:

1.0 to 3.5mm in 0.5mm steps

If you want to use a central zone for remote and peripheral correction for close correction, it is available and subject to your request.

# Atlantis™

## SCLERAL

The Atlantis Scleral design is easy to fit and comfortable for your patients. The fitting philosophy is based on the premise of customizing the lens fit by manipulating 3 different zones to control the sagittal height relationship of the lens to the anterior ocular surface. This produces one of the widest ranges of lens sagittal depths in the industry.

### Design Features:

Available in 14.0 and 14.5 diameters for normal corneas	Quadrant specific limbal zone
Independent central SAG adjustments	Quadrant specific scleral zone
Up to 17.5 diameter option for deep SAGs	Expanded independent toric scleral zone options
Independent limbal vault adjustments to increase or decrease clearance	Oblate multifocal
Limbal vault adjustment towards optic zone for oblate corneas (in position)	Front toric optics stabilized by toric scleral zone
Limbal vault adjustment towards edge for corneal grafts (out position)	Lens notching for scleral obstructions

### Patient Applications:

<ul style="list-style-type: none"> <li>• Keratoconus / Keratoglobus</li> <li>• Post Surgical</li> <li>• DMP (Pellucid Marginal Degeneration)</li> <li>• Astigmatism</li> </ul>	<ul style="list-style-type: none"> <li>• Post-corneal Transplant</li> <li>• Dry Eye Syndrome*/ Corneal Surface Disease</li> <li>• Stevens-Johnson Syndrome</li> <li>• Sjögren's Syndrome</li> </ul>	<ul style="list-style-type: none"> <li>• Graft versus Host Disease</li> <li>• Presbyopia</li> <li>• Corneal GP and Soft Lens Intolerance</li> </ul>
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\*Dry eye therapeutic indication when manufactured in certain GP materials (listed on reverse side). Patient application data was obtained from material package inserts.

<b>15.5</b> <b>X</b> <b>Starting Point</b>	<p>This is the lens that will be most appropriate for most applications where scleral lenses are used. Lenses in the 15.5mm size provide a wide range of clearance and edge fitting options to handle the majority of cases.</p> <p>Oblate Corneas   Irregular Corneas   Normal corneas with larger HVID &gt; 11.5 needing more limbal clearance</p>
<b>14.5</b> <b>C</b> <b>Compact</b>	<p>The ideal lens for patients with who would benefit from a slightly smaller lens design:</p> <p>Normal Corneas   Presbyopic patients   Smaller than average corneas with HVID &lt; 11.5   Tight lids or small fissures</p>
<b>16.5</b> <b>L</b> <b>Large</b>	<p>A great lens size to move to when the 15.5mm lens is not adequate to fit pronounced corneas.</p> <p>More SAG than the 15.5mm will provide   Extra-large HVID needing limbal clearance</p>

## Product Parameters

Base Curve	6.50 to 9.12 mm
Diameter	14.0 to 17.5 (in 0.5 steps)
Power	+20.00 to -20.00D in 0.25D steps
Limabl Vault Zone	Up to 100 microns decrease Up to 200 microns decrease Quadrant specific control
Scleral Zone	1 flat to 10 flat, 1 steep to 10 steep in 25 micron increments
Toric Scleral Zone	Bi-meridian control Quadrant specific control
Cylinder Power	-0.75D to -5.00D in 0.25D steps
Axis	0 to 180°
Multifocal Distance Zones	3.6, 4.0, 4.4
Multifocal Add Power	+0.75D to +4.00D
Materials	Optimum Extra*, Optimum Extreme*, Optimum Infinite, Boston XO*, Boston XO2* and Paragon HDS NOTE: Materials with an asterisk (*) are indicated for the management of dry eye disease.
Warranty	Check with an authorized dealer
Tangible Hydra-PEG	Available on all materials listed above.
Plasma EYEZ	All Atlantis lenses are plasma treated free of charge.

A close-up photograph of a person's eye. A hand is shown inserting a clear contact lens into the eye. The image is overlaid with a semi-transparent blue circular graphic at the bottom. The text 'GP LENSES' is centered in white, bold, sans-serif font within the blue area.

# GP LENSES

S P E C T R U M  
I N T E R N A T I O N A L

# APEX™

## KERATOCONUS CONTACT LENS WITH FITTING FORGIVENESS

The Apex lens design for keratoconus incorporates a number of fitting forgiveness factors to simplify fitting the keratoconus patient. These inherent design properties are intended to aid the practitioner in managing the various topographies seen with this corneal disorder.

This new proprietary lens design is based upon the belief that those patients who are successful with gas permeable lens designs must be fitted with a lens that minimizes apical interaction, and avoids impingement of the peripheral cornea, specifically in the superior quadrant.

### LENS PARAMETER AVAILABILITY

<b>Base Curve</b>	68.00D (4.96) to 40.00D (8.44)
<b>Diameter</b>	7.9 to 10.5
<b>Power</b>	+30.00D to -30.00D
<b>Periphery</b>	Steep, Medium, Flat

### DIAGNOSTIC SET PARAMETERS

Standart 24-Lens Set

<b>Base Curve</b>	58.00D (5.82) to 40.00D (8.44)
<b>Diameter</b>	8.2 to 10.0
<b>Power</b>	Flat to -17.00
<b>Periphery</b>	Medium
<b>Material</b>	Available in any material

A wratten filter is included.

Additional 10-Lens Diagnostic Set Available

<b>Base Curve</b>	68.00D (4.96) to 59.00D (5.72)
<b>Diameter</b>	8.2
<b>Power</b>	-17.00 to -20.00
<b>Periphery</b>	Medium
<b>Material</b>	Available in any material

# TROUBLESHOOTING

Patient Symptoms	Possible Causes	Plan
Lens Riding High		Steepen Base Curve by 1.00 D
		Reduce Diameter by .3mm
Lens Riding Low	Movement with Blink	Flatten Base Curve by 1.00 D
	No Movement	Decrease Diameter by .3mm
Excessive Movement		Steepen Base Curve by 1.00 D
		Increase Diameter by .3mm
Restricted Movement		Flatten Base Curve by 1.00 D
		Decrease Diameter by .3mm
Bubbles	Centrally	Flatten Base Curve by 1.00 D
		Decrease Diameter by .3mm
	Peripherally	Decrease Edge Lift (Flat to Medium, Medium to Steep)
		Increase Diameter by .3mm
Surface Non Wetting	New Lens	Clean Lens
		Change Material
	Older Lens	Clean Lens
		Order New Lens
Too Much Edge Lift		Reduce Edge Lift (Flat to Medium, Medium to Steep)
		Increase Diameter by .3 mm
Not Enough Edge Lift		Increase Edge Lift (Steep to Medium, Medium to Flat)
		Decrease Diameter by .3 mm

Apex™ Keratoconus



# TITAN™

LARGE DIAMETER

## LARGE DIAMETER CONTACT LENS FOR IRREGULAR CORNEAS

The Titan™ lens is indicated for the management of irregular cornea conditions. It is a large diameter gas permeable lens with an aspheric posterior surface. This posterior surface keeps the large diameter lens from becoming too tight in the peripheral and mid-peripheral area of the cornea. More than one aspheric value of eccentricity is available with the Titan design.

### PARÁMETROS

<b>Base Curve</b>	50.00D (6.75) to 34.00D (9.93)
<b>Diameter</b>	11.3 to 12.3 (0.1mm steps)
<b>Power</b>	+60.00D to -60.00D
<b>Edge Lift</b>	Steep, Medium, Flat
<b>Material</b>	Recommended in Optimum Extra

### DIAGNOSTIC SET PARAMETERS

<b>Base Curve</b>	47.00D (7.18) to 35.00D (9.64)
<b>Diameter</b>	11.8, 12.3
<b>Power</b>	+5.00D to Flat
<b>Edge Lift</b>	Medium, Flat
<b>Material</b>	Recommended in <b>OPTIMUM EXTRA</b>

An extended 13 lens diagnostic set is available in 12.3 diameter with powers ranging from +5.00D to -3.00D.



# FOR SIMPLE MANAGEMENT OF IRREGULAR CORNEAS

- Large diameter lens
- With less lid interaction and movement this is often more comfortable than other GP designs
- Spherical optical zone provides optimal visual acuity

## Patients who would benefit:

### - Irregular corneas associated with:

- Centration Problems – spherical, oblique, and ATR corneas
- Post Surgical – RK, Lasik, PKP, Intacs, and Ecstasia
- Corneal Dystrophies – KC & PMD
- Corneal Trauma – Scars due to injury

### - Patients with regular astigmatism:

- Especially those that experience variable vision with soft and soft toric lenses

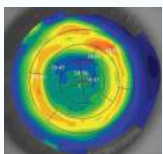
## Reasons to fit your patient with Titan Large Diameter:

- With less lid interaction and lens movement, this lens is often more comfortable than other GP designs
- Better lens centration is not a problem when fitting Titan
- The three aspheric edge lifts with each base curve provide practitioners the flexibility needed to achieve a successful fit

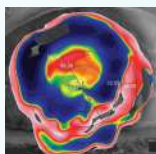
## Tips for a successful adaptation:

- Use diagnostic lenses to ensure best fit
- The goal is to equally distribute the mass of the lens avoiding areas of vault and/or bearing of the corneal surface
- Although the lens is large, appropriate lens movement and tear exchange is always necessary to maintain corneal health

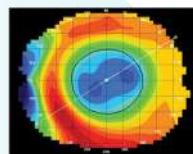
## Topographies where the Titan should be considered:



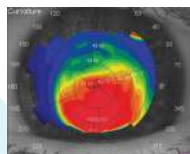
PRK



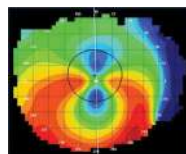
PKP



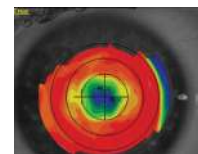
LASIK



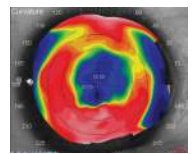
ELEVATED  
CONE



DMP



RK



RK



# PINNACLE

## ASPHERIC COMFORT DESIGN WITH OPTIONS FOR IRREGULAR CORNEAS

The Pinnacle aspheric comfort design is intended for the myopic or hyperopic patient who shows moderate to high amounts of with the rule corneal and refractive astigmatism.

The Pinnacle lens design is a continuous aspheric concave geometry design with adjustable edge lifts to aid in fit and comfort.

### LENS PARAMETER AVAILABILITY

<b>Diameter</b>	7.5mm to 12.6mm
<b>Base Curve</b>	56.25D (6.00mm) to 34.00D (9.90mm)
<b>Power</b>	+60.00D to -60.00D
<b>Material</b>	Available in any material

\*Base curve radius restricts diameter range available.

Standard Diameter	Large Diameter	IC Diameter
7.5mm a 9.9mm	10.0mm a 11.2mm	11.3mm a 12.6mm

### DIAGNOSTIC SET PARAMETERS

#### Standard

<b>Diameter</b>	8.9 in Base Curves thru 7.50
	9.2 in Base Curves from 7.58 to 7.85
	9.5 in Base Curves from 7.94 to 8.23
<b>Base Curve</b>	46.50D (8.23mm) to 41.00D (7.26mm)
<b>Power</b>	-3.00D
<b>Material</b>	Available in any material

#### Large Diameter

<b>Diameter</b>	10.2mm and 10.5mm
<b>Base Curve</b>	51.00D (6.62mm) to 36.00D (9.38mm)
<b>Power</b>	-3.00D
<b>Material</b>	Available in any material

# TROUBLESHOOTING

Patient Symptoms	Possible Cause	Plan
Lens Riding High		Steepen Base Curve by .50 D
		Reduce Diameter by .3 mm
Lens Riding Low	Movement with Blink	Steepen Base Curve by .50 D
	No Movement	Decrease Diameter by .3mm
Excessive Movement		Steepen Base Curve by .50 D
		Increase Diameter by .3 mm
Restricted Movement		Flatten Base Curve by .50 D
		Decrease Diameter by .3 mm
Bubbles	Centrally	Flatten Base Curve by .50 D
		Decrease Diameter by .3 mm
	Peripherally	Decrease Edge Lift (Flat to Medium, Medium to Steep)
		Increase Diameter by .3mm
Too Much Edge Lift		Reduce Edge Lift (Flat to Medium, Medium to Steep)
		Increase Diameter by .3 mm
Not Enough Edge Lift		Increase Edge Lift (Steep to Medium, Medium to Flat)
		Decrease Diameter by .3mm

Pinnacle™

# COMPLETE GP SYSTEM FOR ALL TYPES OF CORNEAS

## WELCOME TO SIMPLICITY

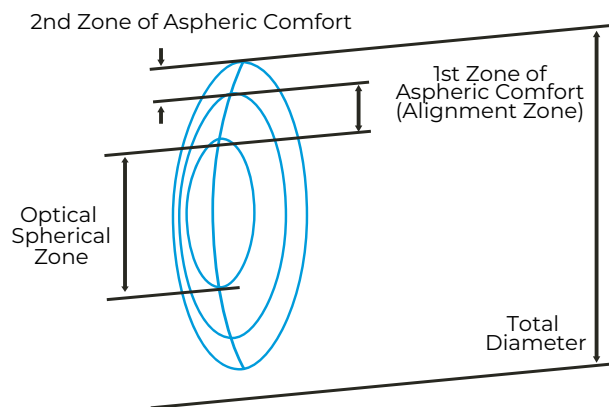
ElipSYS is a superior design based on research and 45 years of experience manufacturing RGP lenses. From the beginning, the ElipSYS system offers the simplest adaptation for both regular and irregular cornea providing great comfort.

### Comfortable from the beginning of the adaptation

Its Sphero-Aspheric design with peripheral support control allows a better corneal alignment optimizing the tear exchange, maintaining centration and stability. Most patients achieve a high degree of comfort within a few days of use.

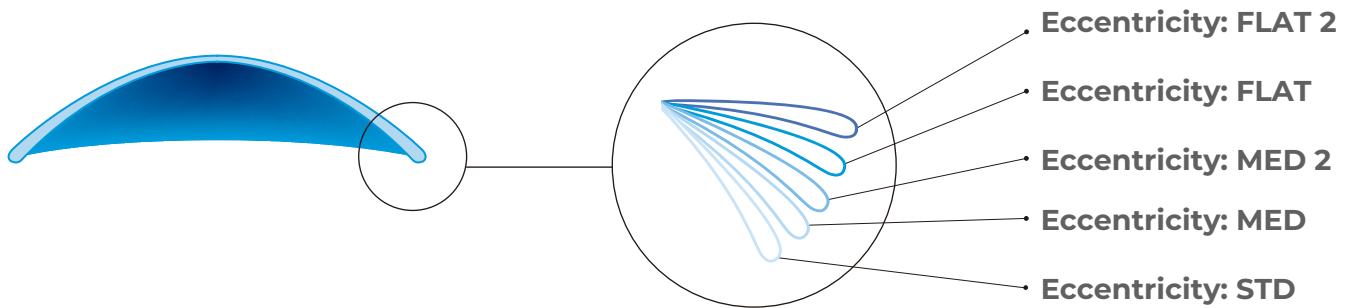
### Easy to adapt

In 85% of the cases, the lens that is calculated with the fitting set is the definitive lens. The ElipSYS system is complemented with an online



### The advantage of peripheral control

The new concept of "peripheral support control" is ideal for corneas that have different levels of eccentricity. Based on a statistical analysis, a nomogram was created identifying several levels of eccentricity for the different corneal conditions.



## DATA SHEET

Geometry (interior):	Spherical-Aspheric with peripheral alignment control
Geometry (exterior):	Sphero-progressive

Characteristics:	Available Parameters:
Power (D):	± 25D
Eccentricity (Ecc):	STD, MED, MED 2, FLAT and FLAT 2
Base curve (mm):	5.00mm to 11mm (0.05mm steps)
Total diameter (mm):	7.00mm to 12.60mm (0.10mm steps)
Optic zone diameter (Z0mm):	6.00mm to 10.00mm (0.10mm steps)
Central thickness:	0.17 (-3.00D) standar
Material:	Optimum Extra - CONTACMAC
Classification:	Focon III 4
Permeability to oxygen:	DK 100
Visibility Tint:	Blue
Recommended replacement:	Between 18 and 24 months
Plasma Treatment:	Yes
Identification Engraving:	Yes
Presentation:	Vial with security seal
Maintenance System:	Preservative + Isopropyl alcohol cleaner

## Fitting Set with 30 Lenses

ElipSYS STD	Regular Cornea	DT. 9.80mm 10 Lenses
ElipSYS KC	Irregular Cornea	DT. 9.60mm 10 Lenses
ElipSYS SE	Readjustments / Decentralizations	DT. 11.20mm 10 Lenses



# ORTHO-K LENSES

S P E C T R U M  
I N T E R N A T I O N A L

# INTRODUCING THE LATEST ADVANCEMENT IN MODERN MYOPIA MANAGEMENT

## *Overnight Orthokeratology Lens System*

### IS YOUR PRACTICE READY?

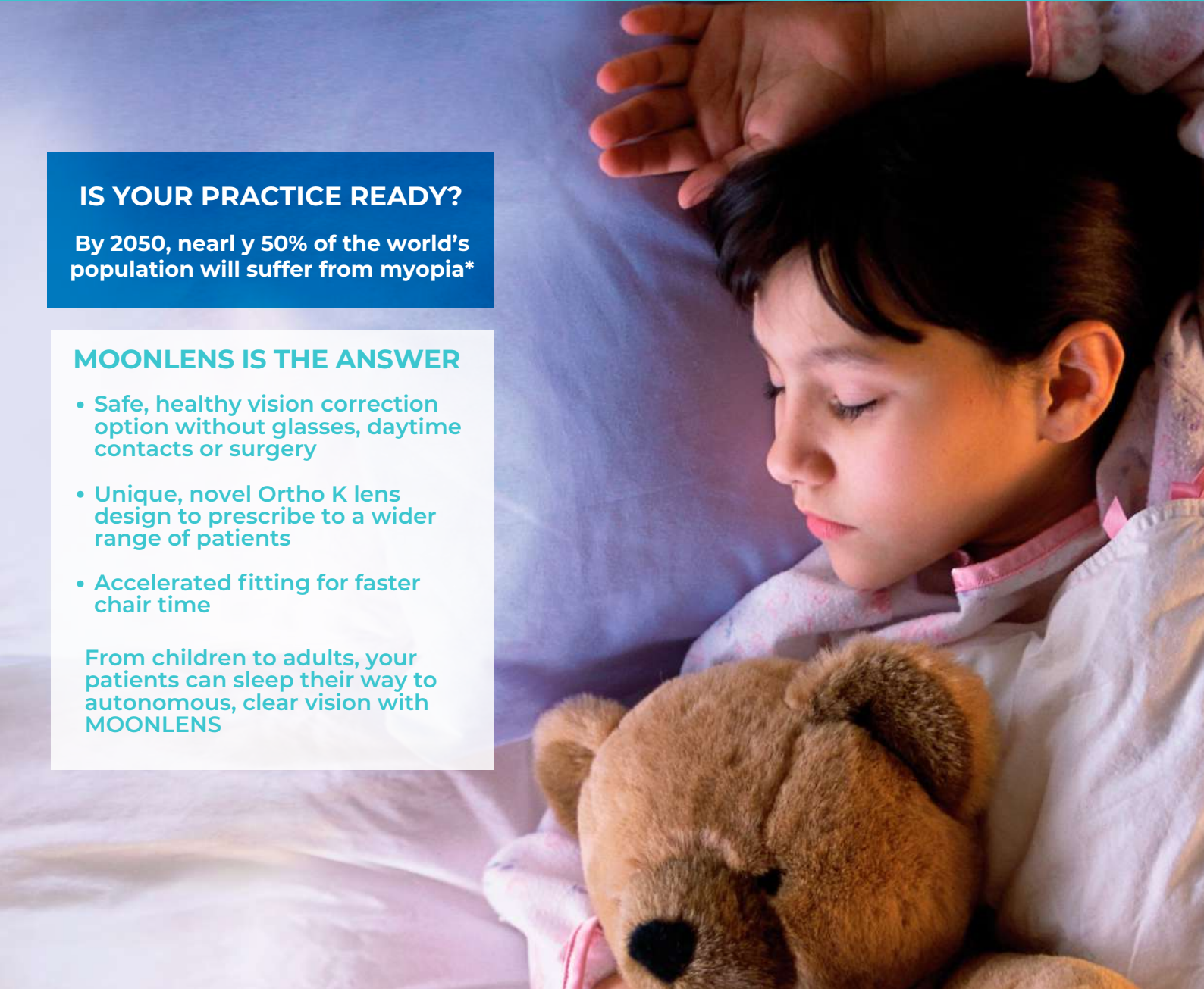
By 2050, nearly 50% of the world's population will suffer from myopia\*

### MOONLENS IS THE ANSWER

- Safe, healthy vision correction option without glasses, daytime contacts or surgery
- Unique, novel Ortho K lens design to prescribe to a wider range of patients
- Accelerated fitting for faster chair time

From children to adults, your patients can sleep their way to autonomous, clear vision with MOONLENS

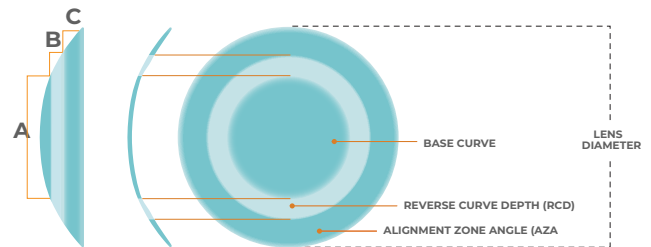
**MYOPIA MANAGEMENT MADE EASY**



# NO TWO PATIENTS ARE ALIKE. TREAT OPTIMALLY WITH MORE CUSTOMIZATION

Created by Ortho K pioneers and lens design experts at KATT Design Group, MOONLENS is uniquely designed with a proprietary algorithm allowing more customization to optimize fitting for each individual patient eye.

- Multi-customization features improve sagittal depth, alignment zone and toricity for better stability, centration and comfort.
  - Up to -5.00D myopia correction
  - 1.50D astigmatism correction
- Designed for high 1st Fit Success with micro-customization in 1 micron steps
- Convenient online calculator for efficient determination of parameters
- Made with Boston Materials a authorized for sale by Health Canada



A = OPTICAL ZONE  
B = REVERSE CURVE DEPTH (RCD)  
C = LANDING ZONE ANGLE

*MOONLENS Overnight  
Orthokeratology Lens Design*

BAUSCH+LOMB

**Boston**  
Materials



**MYOPIA MANAGEMENT MADE EASY**

**Ask us today about this new, easy way to  
manage your patients' myopia, and your  
patients will thank you to the moon and back!**



# Paragon CRT® Contact Lenses

The science of night vision correction

Paragon CRT® (Corneal Refractive Therapy) Contact Lenses are rigid gas permeable contact lenses approved for overnight wear. Paragon Vision Sciences is the only company to manufacture its own lens designs (Paragon CRT® and Paragon CRT Dual Axis®) and lens material (HDS®100). Both the lens designs and the material are FDA-approved for overnight wear.

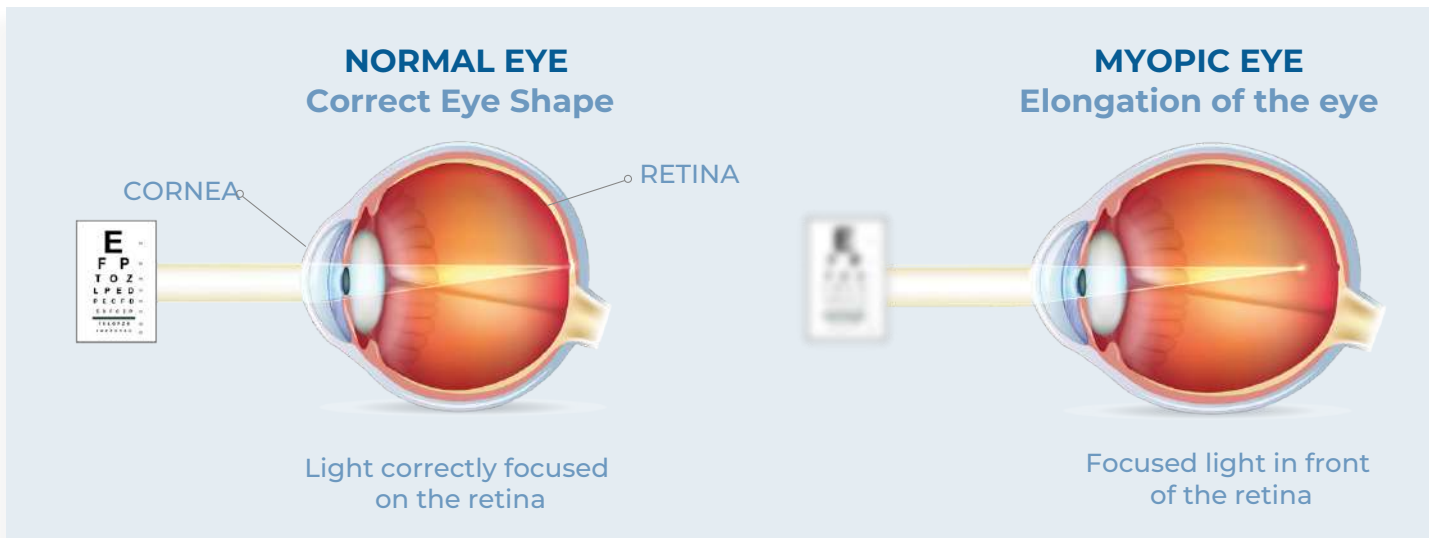
## FDA APPROVAL INCLUDES:

MYOPIA	ASTIGMATISM
≤-6.00D	≤1.75D

Approval is for patients of all ages.

## WHAT CAUSES MYOPIA?

*Myopia* is a common vision problem in which objects in the distance appear blurred and out of focus.<sup>1</sup>



The causes of myopia can be both *genetic and environmental*.<sup>2</sup>

Spending little time outdoors, reading, cell phone use and some other near-focusing activities can cause elongation of the eye, preventing light rays from focusing properly on the retina, causing blurred vision.<sup>3</sup>

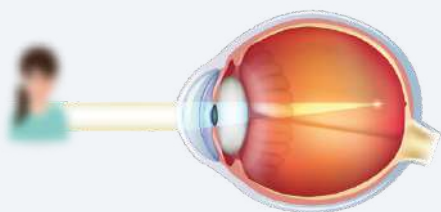
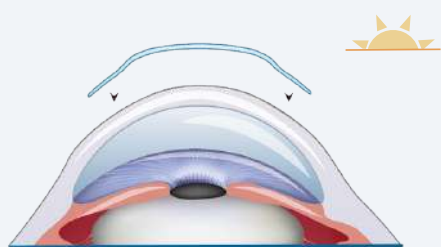
These factors can cause elongation of the eye, preventing light rays from focusing properly on the retina. Causing blurred vision commonly associated with myopia.

# HOW DOES PARAGON CRT®? WORK ?

Paragon CRT® contact lenses are a fully reversible, non-surgical myopia treatment option.

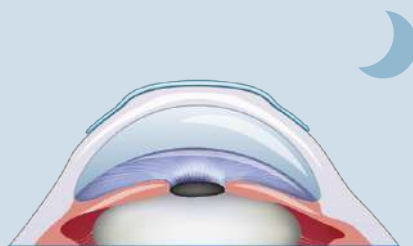
These lenses are specially designed for nighttime wear to correct nearsightedness while you sleep. **Here's how they work:**

## 1 MYOPIC EYE



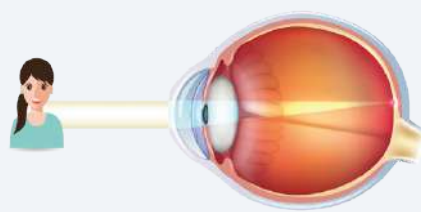
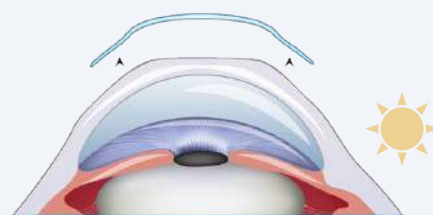
Paragon CRT® contact lenses are selected to correct the specific needs of the myopic patient. At night, the lenses are placed before bedtime.

## 2 NIGHT CORNEAL SHAPING



Paragon CRT® lenses are designed to be safely worn overnight. These lenses gently correct corneal curvature while the patient sleeps.

## 3 CORRECTION WITH PARAGON CRT®



In the morning, when the contact lenses are removed, the cornea maintains its corrected shape throughout the day, making the light rays focus correctly on the retina. This allows the patient to have clear vision without the need for glasses or contact lenses.

**Paragon CRT® lenses are an FDA approved option and used in more than 50 countries around the world.**

## Corneo Scleral Ortho-K Lens for Daily Wear

Can Ortho-K lenses be highly comfortable?

Yes! Unlimited possibilities are possible with this revolutionary new product

- No fitting set required
- 100% Customizable
- Unique diameters 11.7mm-13.5mm
- Custom alignment zone
- Custom optic zone size
- Comfort
- Wear time flexibility
- Soft lens alternative

***First FDA-Cleared Corneo-Scleral  
Ortho-K Lens Design for Daily Wear***

# Alexa AR

## High Resolution Orthokeratology



**Alexa OK AR** offers you the widest range of products for Orthokeratology fitting, allowing you to expand the range of candidates to whom orthokeratology treatment is offered.

### Initial lens selection is made by:

- Topography / Keratometry
- Horizontal visible iris diameter
- Refraction

### What is high resolution Orthokeratology?

It is a new concept in Orthokeratology, which offers:

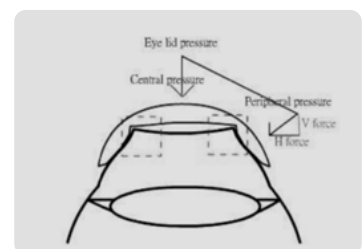
- Highest myopia compensation capability, up to -10.00 D.
- Reduced emmetropization time.
- Optimized memory capacity.
- Very easy fitting.



### ¿Why is Alexa OK AR different? The key is the design

**ALEXA OK AR** features a 4-curve design for compensation up to -5.00 D and a 5-curve design for compensation from -5.00 to -10.00 D, in both cases with reverse band. The differential aspect of **ALEXA OK AR** is in the alignment zone that maximizes horizontal force.

As a result, **ALEXA OK AR** performs: exceptional centering and stabilization, Faster emmetropization speed, and a wider compensation range, up to -10



# Alexa AR

The High Resolution Power. It has a state-of-the-art design, with four curves that allow corrections down to **-5.00 D** in a simple, parameterised and optimised way

Material	Handling Tint	Hardness	Wetting angle	Refractive Index	Dk	Power (D)	Diameter (mm)
HDS 100 (Paflucocon D)	Blue/ Yellow/ Red	79	42	1.44	101	+1,25	9.80 to 12.40mm

# Alexa AR PLUS

The High Resolution Power. It has a state-of-the-art design with 5-curve that allows corrections from **-5.00 D to -10.00 D**, providing a parameterized and optimized adaptation.

Material	Handling Tint	Hardness	Wetting angle	Refractive Index	Dk	Power (D)	Diameter (mm)
HDS 100 (Paflucocon D)	Blue/ Yellow/ Red	79	42	1.44	101	+2,00	9.80 to 12.40mm

# Alexa AR TORIC

It features a toric design specifically designed to achieve a correct fit in the alignment zone of the lens with the astigmatic cornea. **Astigmatism up to -3.50 D**

Material	Handling Tint	Hardness	Wetting angle	Refractive Index	Dk	Diameter (mm)
HDS 100 (Paflucocon D)	Blue/ Yellow/ Red	79	42	1.44	101	9.80 to 12.40mm

# Alexa H

It features a state-of-the-art design for orthokeratology in patients with hyperopia, which allows corrections of **up to +6.00 D**, providing a parameterised and optimised adaptation

Material	Handling Tint	Hardness	Wetting angle	Refractive Index	Dk	Power (D)	Diameter (mm)
HDS 100 (Paflucocon D)	Blue/ Yellow/ Red	79	42	1.44	100	-0,75	9.80 to 12.40mm

# Alexa AR MULTIFOCAL

It has a state-of-the-art **six-curve** design that allows for ametropia corrections from **+6.00 D to -10.00 D associated with additions of up to +4.00 D**.

Material	Base Radio (mm)	Power (D)	Diameter (mm)
Optimum Extra Paflucocon D	6,30 to 11,61 0,01 steps	-0,75 / +0,75 / +1,25 / +2,00	+0,75 to +4,00 0,25 steps

# Alexa AR PL

It features a state-of-the-art design for orthokeratology focused on **post-lasik patients** providing a parameterized and optimized adaptation.

Material	Base Radio (mm)	Power (D)	Diameter (mm)
Optimum Extra Paflucocon D	7,46 to 11,61 0,01 steps	+0,75 / +1,25 / +2,00	9,80 to 12,60 0,20 steps

# Customization



With **Alexa OK AR** you can customize any lens parameter. Among them:

## **Optical Zone Diameter**

Decrease the treatment zone to place the add zone closer to the pupillary center, or increase it to reduce aberrations.

## **Eccentricity of Posterior Optical Zone**

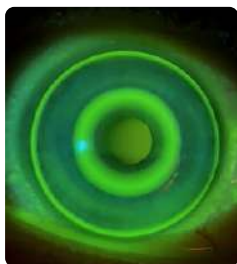
Increase the eccentricity of the Z.O.P. to generate a higher asphericity in the treatment zone, producing an increase in Spherical Aberration.

## **Power adjustment and keratometric code in 0.25D steps**

Maximum precision in the diopters to be compensated, and maximum sagittal adjustment.

## **Central Vault and Peripheral Support Zone Alignment**

Independently customize central lens-cornea clearance and peripheral alignment for optimal fit and even more precise corneal shaping.



Rear Optical Zone  
Diameter: 6 mm

Eccentricity of the Posterior  
Optical Zone: 0



Rear Optical Zone  
Diameter: 5 mm

Eccentricity of the Posterior  
Optical Zone: 1,5

# Ortolen Plus

The Ortolen Plus RPG lens is a double reverse geometry lens for nighttime orthokeratology. Its double reverse band design allows for better lens centration and therefore more effective treatment.



## Indications

- Myopia control
- Not suitable for refractive surgery
- Alternative to surgery
- Alternative to glasses
- Alternative to the use of contact lenses for daytime use
- Opponents



## Parameters

- **Base Curve (BC):** 7,50 to 9,00 mm (0,05 mm steps)
- **Closing Curve (OR):** OR3 to OR9 (0,50 D steps)
- **Diameter (mm):** 10,20 to 11,40 mm (0,40 steps)
- **Power:** +0,50 D
- **Optic Zone (mm):** 6.80 (customization possibilities)

\*Check with Spectrum for availability of larger manufacturing ranges.



## Materials

Materials	HDS 100
DK (FAT)	100
Tint	Blue



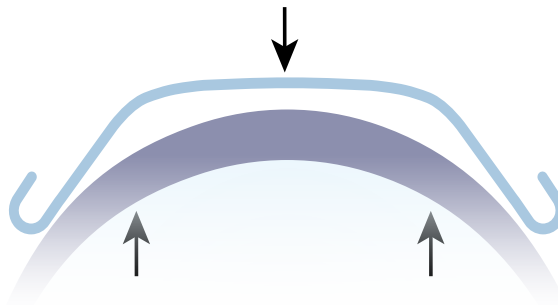
## Possible candidates

- Up to -3.00 D sphere
- Up to 1.00 D of direct corneal astigmatism.
- Up to 0.75 D inverse/oblique corneal astigmatism.
- Any age\*
- Eyes without previous pathologies (pathological dry eye, corneal ectasias,...)

\*Provided that the handling and responsibility of the child is appropriate.



## Scheme







# COLOR LENSES

S P E C T R U M  
I N T E R N A T I O N A L

# bioCOLORS™

CUSTOM LENSES

## SERIES X



bioColors™ are custom-made opaque lenses. With 22 opaque colors and two different iris patterns, patients can select from a vast number of color combinations. These lenses are available in both custom sphere and custom toric prescriptions.

bioColors™ prosthetic custom lenses are for patients with a wide variety of eye disorders and injuries. Our soft prosthetic lenses provide new hope in redefining discolored or misshapen pupils, amblyopia, and other ocular anomalies.



**(BEFORE)**  
BROWN IRIS



**45X**  
BLUE GREY



**46X**  
CARIBBEAN  
BLUE



**49X**  
EVERGREEN



**54X**  
CHESTNUT



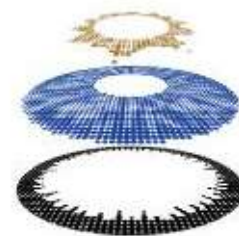
**56X**  
DARK COCOA

## SERIES V



### How does it work ?

Orion Vision Group is a contact lens company that specializes in custom contact lenses that are not available from the major contact lens manufacturers. Our innovative process seals the lens design and ink inside the lens, making them incredibly comfortable and durable.



**(BEFORE)**  
BROWN IRIS



**45V**  
BLUE GREY



**46V**  
CARIBBEAN  
BLUE



**49V**  
EVERGREEN























**54V**  
CHESTNUT



**56V**  
DARK COCOA

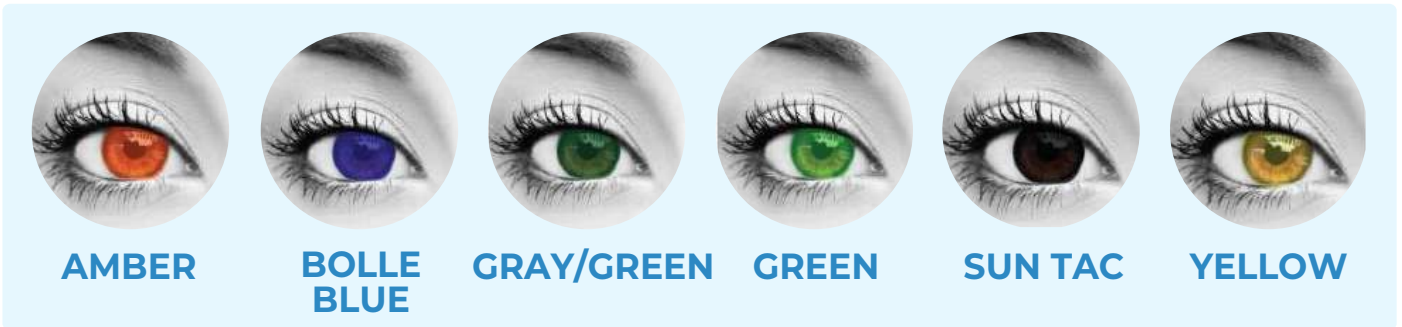
## LENS PARAMETERS

Sphere	Cylinder	Axis
+20.00 to - 20.00 in 0.25 diopter steps	Up to -10.00 in 0.25 diopter steps	From 1 to 180 in 0.25 diopter steps
Material	Diameter	Base Curve
Polymacon 38% Methafilcon 55%	13.0 to 22.0 mm	7.7 to 9.5

LENS PARAMETERS	COLOR PARAMETERS	UNDERPRINT COLORS
<p><b>Iris Design Diameters</b></p> <ul style="list-style-type: none"> <li>- 10.5 mm</li> <li>- 11.25 mm</li> <li>- 12.25 mm</li> </ul> <p><b>Limbal Ring Diameter</b></p> <ul style="list-style-type: none"> <li>- Variable</li> </ul> <p><b>Clear Pupil Sizes</b></p> <ul style="list-style-type: none"> <li>- 2.8 mm</li> <li>- 3.3 mm</li> <li>- 4.2 mm</li> <li>- 5.0 mm</li> <li>- 6.0 mm</li> </ul> <p><b>Occluded Pupil Sizes</b></p> <ul style="list-style-type: none"> <li>- 3.0 mm</li> <li>- 3.5 mm</li> <li>- 4.0 mm</li> <li>- 4.5 mm</li> <li>- 5.0 mm</li> <li>- 6.0 mm</li> <li>- 7.0 mm</li> <li>- 9.0 mm</li> <li>- 10.5 mm</li> <li>- 11.0 mm</li> <li>- 12.0 mm</li> </ul>	<ul style="list-style-type: none"> <li>41  Aqua Enhancer</li> <li>42  Blue Enhancer</li> <li>43  Green Enhancer</li> <li>44  Baby Blue</li> <li>45  Blue Gray</li> <li>46  Caribbean</li> <li>47  Turquoise</li> <li>48  Lavender</li> <li>49  Evergreen</li> <li>50  Pistachio</li> <li>51  Stormy Gray</li> <li>52  Granite</li> <li>53  Honey</li> <li>54  Chestnut</li> <li>55  Pecan</li> <li>56  Dark Cocoa</li> </ul>	<ul style="list-style-type: none"> <li>U1  Black</li> <li>U2  Pecan</li> <li>U3  Stormy</li> <li>U4  Granite</li> </ul>

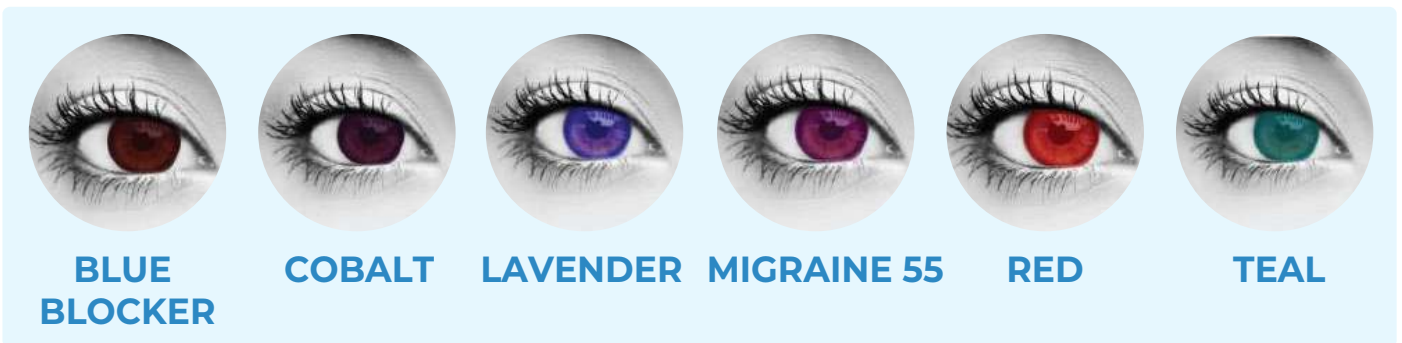
*bioSPORT*<sup>™</sup>  
PERFORMANCE LENSES

**bioSport™** lenses are custom lenses designed to enhance visual acuity for a variety of sporting activities. The colors available are Amber, Bolle Blue, Gray/Green, Green, SunTac and Yellow.



*bioMED*<sup>™</sup>  
THERAPEUTIC LENSES

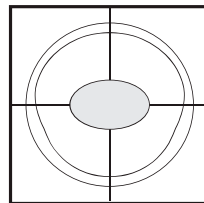
**bioMed™** Lenses are designed for patients who experience migraines, photophobia, eye strain and difficulties with glare. Colors are available in Blue Blocker, Cobalt, Lavender, Migraine 55, Red and Teal.



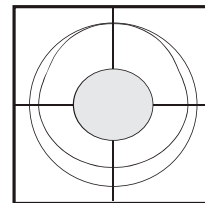
**SPECTRUM Color** brand contact lenses offer long-lasting comfort to wearers. Our lenses are manufactured with classic polymacon material, which is still widely recognized for its durable, dependable performance across all environments.

Advanced “in-toric” applied design reduces axis rotation. Circle “zone” gives superior visual correction. Toric lenses limitless optical range, cylinder and axis give wearers an individually, “PRECISE FIT”. The superior prism ballast design creates great visual acuity.

The optical zone, formed by a sophisticated design, enables wearers to catch wide views from every angle.



Other Brand



SPECTRUM color

## SPECTRUM color<sup>Rx</sup>

<b>Material</b>	62% polymacon, 38% water content
<b>Base Curve</b>	8.60
<b>Diameter</b>	14.20mm
<b>Graphic Color</b>	Custom make
<b>Power Range</b>	<b>0.00 to ±25.00D</b> 0.00 to ±6.00D (0.25D steps) ±6.50 to ±25.00D (0.50D steps)
<b>Cylinder Power</b>	-0.50 to -7.00D (0.25D steps)
<b>Axis</b>	5° to 180° (in 5° steps)
<b>Axis Marks</b>	Three lines indication at 6 o'clock
<b>Nominal Centre Thickness</b>	0.105mm @-3.00D
<b>Dk/t @-3.00D</b>	9.30x10 <sup>-9</sup> (cm/s)(mlO <sub>2</sub> /ml.mmHg)
<b>Oxygen Permeability Dk@35°C</b>	9.77x10 <sup>-11</sup> (cm <sup>2</sup> /s)(mlO <sub>2</sub> /ml.mmHg)
<b>Standard Pack Size</b>	Vial: 1 lens

## SPECTRUM color<sup>Rx</sup> SPECIAL

<b>Material</b>	62% polymacon, 38% water content
<b>Base Curve</b>	7.80 to 9.00 (0.10mm steps)
<b>Diameter</b>	13.70mm a 14.60mm (0.10mm steps)
<b>Power Range</b>	<b>0.00 to ±25.00D</b> 0.00 to ±6.00D (0.25D steps) ±6.50 to ±25.00D (0.50D steps)
<b>Cylinder Power</b>	-0.50 to -7.00D (0.25D steps)
<b>Axis</b>	5° to 180° (in 5° steps)
<b>Axis Marks</b>	Three lines indication at 6 o'clock
<b>Nominal Centre Thickness</b>	0.080mm @-3.00D (Spheric) 0.130mm @-3.00D (Toric)
<b>Standard Pack Size</b>	Vial: 1 lens

\*More colors available

\*\*We can design the color you require.

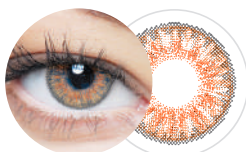


Yearly

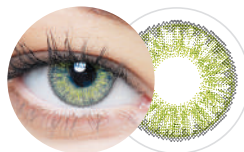


Yearly

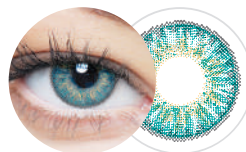
### 3-tone color lens



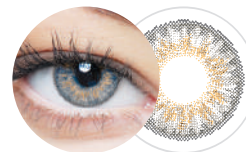
**Tangerine**  
(CL365N)



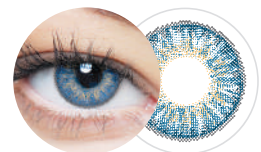
**Olive**  
(CL370N)



**Turquoise**  
(CL304N)



**Gray**  
(CL301N)



**Dusk Blue**  
(CL367N)

1d **Daily**

<b>Material</b>	Hioxifilcon A, 58% H <sub>2</sub> O
<b>Base Curve</b>	8.60
<b>Diameter</b>	14.20 mm
<b>Power Range</b>	<b>-10.00 to +6.00D</b> -0.50 to -6.00D (0.25D steps) -6.50 to -10.00D (0.50D steps) +0.50 to +4.00D (0.25D steps) +4.50 to +6.00D (0.50D steps)
<b>Pack</b>	10 Lenses
<b>Replacement</b>	Daily



3m **Quarterly**

<b>Material</b>	Methafilcon A, 55% H <sub>2</sub> O
<b>Base Curve</b>	8.60
<b>Diameter</b>	14.20 mm
<b>Power Range</b>	<b>-10.00 to +6.00D</b> -0.50 to -6.00D (0.25D steps) -6.50 to -10.00D (0.50D steps) +0.25 to +4.00D (0.25D steps) +4.50 to +6.00D (0.50D steps)
<b>Pack</b>	2 Lenses
<b>Replacement</b>	Quarterly



3m **Quarterly**

<b>Material</b>	Polymacon, 38% H <sub>2</sub> O
<b>Base Curve</b>	8.60
<b>Diameter</b>	14.20 mm
<b>Power Range</b>	<b>-10.00 to +6.00</b> -0.00 to -6.00 (0.25D steps) -6.50 to -10.00 (0.50D steps) +0.50 to +6.00 (0.50D steps)
<b>Pack</b>	2 Lenses
<b>Replacement</b>	Quarterly



\*More colors available

\*\*We can design the color you require.



## Spectrum Color Halloween (Daily)

<b>Material</b>	Polymacon, 38% H <sub>2</sub> O		
<b>Base Curve</b>	8.60	<b>Diameter</b>	14.20 mm
<b>Power Range</b>	0.00 to -6.00D		
<b>Packing Type</b>	2 Lenses	<b>Replacement</b>	Daily



**Black Out**  
(FN101N)



**Red Vampire**  
(FN102N)



**White Out**  
(FN103N)



**Angelic White**  
(FN104N)



**Blue Walker**  
(FN105N)



**Zombie Yellow**  
(FN106N)

## Spectrum Color Halloween (Monthly)

<b>Material</b>	Polymacon, 38% H <sub>2</sub> O		
<b>Base Curve</b>	8.60	<b>Diameter</b>	14.50 mm
<b>Power Range</b>	0.00		
<b>Packing Type</b>	2 Lenses	<b>Replacement</b>	Monthly



**Angelic Blue**  
(FN002N)



**Angelic Red**  
(FN004N)



**Black out**  
(FN009N)



**Green Reptile**  
(FN023N)



**Blue Cat**  
(FN012N)



**Red Vampire**  
(FN044N)





Manson  
(FN032N)



Lestat  
(FN030N)



Gaara  
(FN047N)



RedCat  
(FN042N)



Reaper  
(FN041N)



Target  
(FN059N)



Shiva  
(FN061N)



Spider Web  
(FN053N)



Yellow Cat  
(FN069N)



White Out  
(FN067N)



Temptress(Pink)  
(FN060N)



Zombie Red  
(FN072N)



Zombie Green  
(FN071N)



White Cat  
(FN066N)



Red Wolf  
(FN046)



Diameter 14.50 mm



Angelic Yellow  
(FN005)



Angelic Green  
(FN003)



Froggy  
(FN019)



Green Ghoul  
(FN022)



Hellraiser  
(FN027)



Zombie Blue  
(FN070)







# SUPPLIES

S P E C T R U M  
I N T E R N A T I O N A L



# SENSATION



This premium all-in-one solution for soft contact lenses combines safety with sensational comfort. The solution, with active lipid, protein and mucin remover, has an excellent double antibacterial effect. The addition of Hyaluronate makes it exceptionally suitable for sensitive eyes.

Thanks to the water lock, the solution hydrates the lenses not only on application, but also as they are worn throughout the day. The solution enhances comfort when wearing the lenses, minimising eye irritation and dryness.

## Composition:

PHMB, Polyquaternium, Hyaluronate, EDTA, NaCl, Poloxamer, Borax, Boric acid, purified water.

## Purpose:

Cleaning, disinfecting, removal of protein deposits, applying, storing, rinsing and lubricating for all types of contact lenses.

## Benefits:

- Recommended for sensitive eyes.
- Double antibacterial action.
- Enhances comfort, minimising eye irritation and dryness.

## Available in:

- **100 ml Pack** (1 x 100 ml + lens case)
- **360 ml Pack** (1 x 360 ml + lens case)



# FINE



Premium **all-in-one** solution for **RGP contact lenses** with excellent antibacterial action and thorough cleaning properties.

**HPMC** also increases viscosity, optimising comfort on application and wear.

### Purpose:

Cleaning, disinfecting, storing, and applying RGP and GP contact lenses.

### Composition:

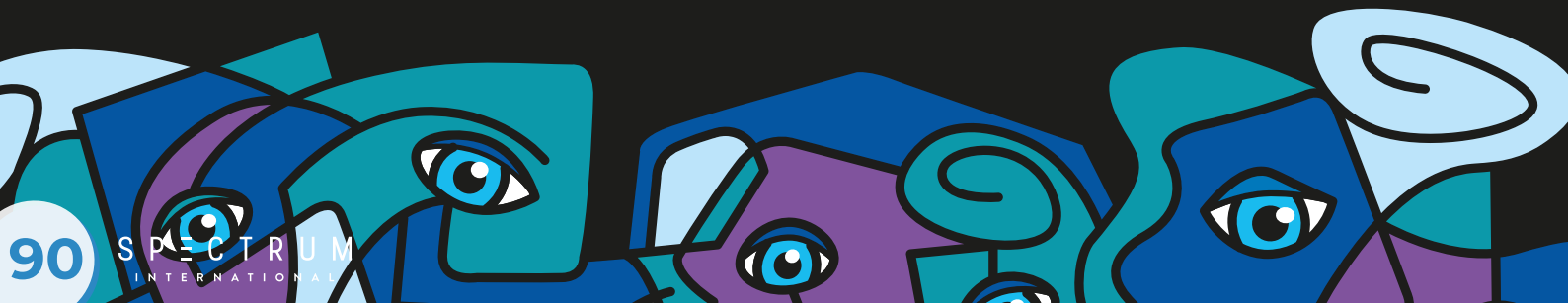
PHMB, HPMC, EDTA, NaCl, Polysorbate, Borax, Boric acid, purified water.

### Benefits:

- Safe contact lens wear thanks to an excellent antibacterial action
- Ideal comfort when applying and wearing

### Available in:

- **40 ml Pack** (1 x 40 ml + lens case)
- **100 ml Pack** (1 x 100 ml + lens case)
- **200 ml Pack** (1 x 200 ml + lens case)





LIVE LIFE VIBRANTLY

## Next Generation Hypochlorous Technology for Eye Health

### Lid Care Protocol

#### In-Office Treatment: Antimicrobial Hydrogel Technology

- Performed by Eye Care Professionals
- Lid and Lash Debridement & Moistening Gel

#### At-Home Maintenance: Lid and Lash Cleanser Solution

- To be utilized by patients for at-home maintenance
- Lid and Lash Irrigating & Moistening Spray



### Patient Benefits

- Relieves itchy, red, irritated eyes
- Eyes feel bright & clean
- Soothing & cooling effect
- Non-sensitizing, non-toxic, nonirritating
- Effective, affordable, easy application process

### Clinical/Scientific Benefits

- 10 million times reduction in bacteria (safely & gently kills 99.9999999% of bacteria)
- Anti-inflammatory effects have been shown to work through 5 different inflammatory pathways
- Interrupts vicious cycle of MGD dry eye disease

### Eye Care Practitioner Benefits

- Rx only (ECP only)
- Between 20 – 140% higher concentration than other available ocular HOCL products
- 18-month shelf-life, 3-month supply at cost effective price
- Ideal integration opportunity for both contact lens and dry eye practices

Up to  
**50%**

of contact lens wearers drop out due to comfort issues

**90%**

of dry eye is caused by Meibomian Gland Dysfunction (MGD)

**37%**

of contact lens intolerant patients had MGD



## Buffered isotonic saline solution without preservatives

The **SPECTRUM SALINE Isotonic buffered saline solution** is a sterile, isotonic and buffered solution in single-dose format without preservatives that acts by mechanical entrainment, which is why it is especially suitable for people with sensitive eyes and nostrils.

### Which are your principal functions?

#### With contact lenses:



- Rinse and insert scleral lenses.
- Rinse, hydrate and preserve scleral, soft and rigid gas permeable lenses.



#### Ocular instillation:

It is a very useful complementary solution for users of all types of contact lenses since it eliminates, for example, possible dust particles, reduces the discomfort derived from adverse environmental conditions, such as environments with air conditioning / heating, dry environments, environments with smoke, etc.

### Technical data:

**SPECTRUM SALINE Isotonic buffered saline solution** is composed of elements that make it very effective:

#### • Sodium Chloride:

Para la tonicidad y la osmolaridad.

#### • Boric acid/Sodium borate buffer:

Control the pH of the solution to be the pH of the eye.

#### • Single-dose format without preservatives



Single-dose 5ml  
100 units box

Spectrum PRX is a one-step peroxide system with a colour indicator for cleaning all types of contact lenses: conventional, scleral, disposable, silicone hydrogel, ortho-k and RGP.



**Maximum disinfection and cleaning (1 hour)**

**NO PRESERVATIVES**



**360ml**  
**36 tablets**  
**1 Lens holder**



**60ml**  
**6 tablets**  
**1 Lens holder**

#### Composition

**Disinfecting solution:** Hydrogen peroxide 3%.

**Neutralising tablets:** Sodium chloride, disodium phosphate, polyvinylpyrrolidone, Vitamin B2, catalase 0.1 mg and excipient q.s. Preservative free.

#### Benefits

Optimal disinfection.  
Fast-acting.

#### Recommended prescription

Especially suitable for users of conventional contact lenses, RGP and Ortho-K.

### DISINFECTION WITHOUT BUBBLES

**1**



No bubbles should form as the coating dissolves slowly

**2**



**START:** The coating is practically dissolved and the first oxygen bubbles begin to form

**3**



**NEUTRALISATION:** Intensive oxygen release and rinsing of the lens. Since this is an exothermic process, the temperature increases

**4**



**END:** The liquid transforms into a preservative-free saline solution

FLUORESCEIN SODIUM OPHTHALMIC STRIPS USP



---

## Sterile Ophthalmic Strips



The #1 trusted brand worldwide manufactured with the highest quality standards.



Helps identify corneal and conjunctival deformities, thus guaranteeing outstanding results.



Unique formula, that facilitates the process of gas permeable contact lens fitting, as well as new generations of specialized contact lenses such as hybrid and scleral.



Packing: 100 strips.

HIGH MOLECULAR FLUORESCEIN STRIPS



---

## Sterile Ophthalmic Strips



When fitting soft disposable or soft specialized contact lenses; the high molecular fluorescein becomes your best allied thanks to its stainless effect.



We have created a friendly and convenient formula, which generates a premium fluorescence effect without tinting the lens material, mostly used in preliminary eye diagnostics.



Your fittings will be more precise from now on!



Packing: 100 strips.



Generates a vital stain, which allows early detection of areas with changes in the structure of cell walls throughout the ocular surface.



Very useful for the diagnosis of the different types of tear dysfunction; allows to detect the severeness, evolution, and the efficiency of the treatment.



Indispensable in the fitting process of contact lenses, given that it helps to quickly and efficiently identify the landing zone of the lens that generates intolerance.



Packing: 100 Strips.

LISSAMINE GREEN STERILE OPHTHALMIC STRIPS

S P E C T R U M

Lissamine

Sterile Ophthalmic Strips



Steril schirmers strips graduated and indicated to measure tear levels.



Developed and manufactured to provide an easier and precise reading.



100 strips.

STERILE DIAGNOSTIC SCHIRMERS TEAR STRIP

S P E C T R U M

Schirmers

Sterile Ophthalmic Strips



# DMV INSERTION / REMOVAL

Scleral Lenses / Hybrids  
Gas Perm / Ortho-K



## GP lenses and Ortho-k

The **DMV® Classic™** removes and inserts rigid and gas permeable lenses using a small suction cup with a handle that allows you to easily grasp and release the lens without damaging it, it is especially suitable for handling larger GP lenses.



## Hybrid and scleral lenses

Prosthetic Eye manipulation and Scleral Lens handling are enhanced by using the **DMV® Scleral Cup™**.

This suction cup product has been in use for decades and has become the industry standard for patients, contact lens fitters and Ocularists around the world. The Scleral Cup securely grasps the contact lens or prosthetic eye for insertion, removal and centering functions.



Available in  
**100 Kits - 250 Kits**  
and for purchase  
per unit



# DMV Versa

The **DMV Versa** combines the insertion and removal function in one product. One end is used for scleral lens insertion and the other end is used for scleral lens removal.

## 2 in 1

## DMV Scleral Stand

The **DMV Scleral Stand** is used for the insertion of scleral lenses. This very simple design allows for an inexpensive, hands-free insertion option.



DMV Vented Scleral Cup is included with each Scleral Stand.



# INSTRUMENTS

SPECTRUM  
INTERNATIONAL

# Medmont E300

## Corneal Topographer



### The E300 Advantage

- Largest capture area of any placido ring Topographer providing full limbus to limbus coverage.
- Tear film surface quality (TFSQ) algorithm, understand and analyse tear film breakup
- Exceptional accuracy with a standard deviation of error of 2  $\mu\text{m}$ , considered the gold standard for fitting specialty contact lenses
- Comprehensive database of contact lens and Orthokeratology lens designs

### WHEN ACCURACY MATTERS

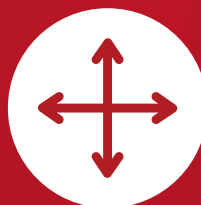
The **E300** with its small cone placid disc design allows accurate, true-to-life data to be captured through the cornea that cannot be obtained anywhere else.



**First Fit Success**



**Easy to Use**



**No Guessing**



**Non-invasive Dry Eye Excellence**

# Medmont meridia™ Advanced Topographer



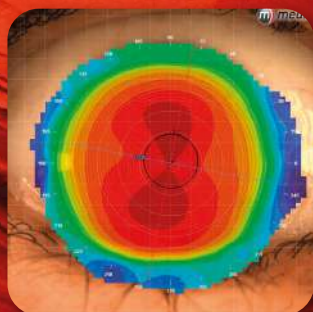
## One System. Many Choices.

está The **medmont meridia™ Advanced Topographer** is designed to improve patient outcomes and grow your practice with **NEW** multi-purpose clinical evaluation options to fit your needs. This system platform is available as a choice of two models — Classic and Professional.

Built from the proprietary concepts of the E300, the Classic model offers the same proven best-in-class topography, enhanced with a larger color field-of-view and ergonomic quick keys for navigating the software. The Professional model extends the features of the Classic with anterior, fluorescein, and meibomian gland imaging and videos. The Professional model also features a choice of proven dry eye grading scales and insightful reports.

## Complete Your View

A versatile range of clinical evaluation choices provides a new level clarity and visual clinical support, facilitating confidence in your most complex decisions.



Limbus to Limbus Topography

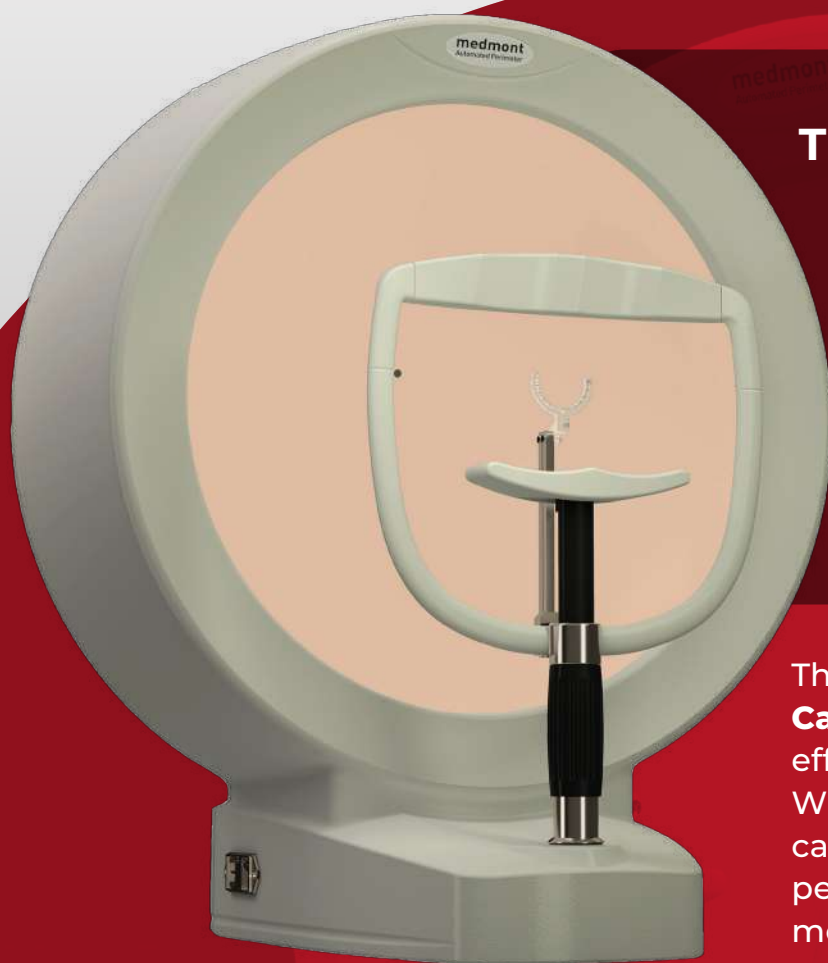


Detailed Fluorescein Imaging & Video



Premium Anterior Imaging & Video

# Medmont M700 Automated Campimeter



## The M700 Advantage

- Video Fixation & Eye Tracking Monitor.
- Flexibility to design your own test and printouts.
- Patient regression & progression analysis with the ability to select a baseline result.

The **Medmont M700 Automated Campimeter** offers practitioners an effective tool for assessing visual fields. With the advent of Fast Thresholding capabilities to improve patient comfort, perimetry is now more efficient for monitoring and assessment of disease.

## VISUAL FIELD COVERAGE

The concentric test point density, which increases towards the fovea, facilitates accurate determination of field loss, particularly for arcuate and small macula defects. In the standard 30° field, 100 testpoints are typically used with a macula region point density of 3°.

With a test capability extended to 80°, the M700 provides a complete diagnosis of a patient's visual field, allowing peripheral defects that are not associated with the central field to be explored.

# Spectrum Adaptor

## Smartphone Eye Imaging Adaptor



## Eye Capture at Your Palm

- 10 x magnification with 2 levels of warm white illumination.
- 1 cobalt blue illumination for fluorescein eye imaging.
- Flexible air cushion to fit different smart phones.
- Integrated tiltable yellow filter.



General eye check



Immobile patient check



Children patient check



Emergency check



Elderly patient Check



Pet eyecare check

# Spectrum Eye Mask

USB Heating Eye Mask



**Provide Effective  
Warm Compress  
to Dry Eyes**

- 3 optional heating temperatures, 39°C, 41°C, 44°C.
- Fit face better with FlexStrip adjustable strip in the middle.
- Switch off automatically after 10 minutes heating.



Temperature  
Adjustable



Nasal Arch Fit



Machine  
Washable



Auto Switch off



# Spectrum Meibographer

Meibomian Gland Imaging Camera



- Handful design for handheld use.
- Capture high quality meibomian glands images.
- Wireless connection with iPhones and Android phones.

## A Truly Portable Meibographer



Optical shop



Visual Specialists



Home visit



Clinic



Community health center



Mobile eye care bus

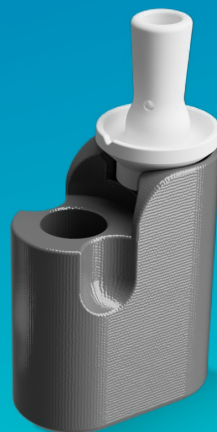
# Easy Wear Contact Lens



*Simplifies contact lens fitting for your patients*

## Contact lens adapter

Device for easily fitting large diameter contact lenses Scleral - Hybrid - RGP - Soft



Device designed for easy traveling

*"We don't sell contact lenses,  
we create visual specialists."*

S P E C T R U M  
I N T E R N A T I O N A L

✉ [sales@spctinternational.com](mailto:sales@spctinternational.com)

☎ +1 (470) 208-7030

🌐 [www.spctinternational.com](http://www.spctinternational.com)



*spctinternational*