Manufactured in:

DEFINITIVE™

800.241.9312
www.xcelcontacts.com

Custom Soft

FLEXLENS® ARC

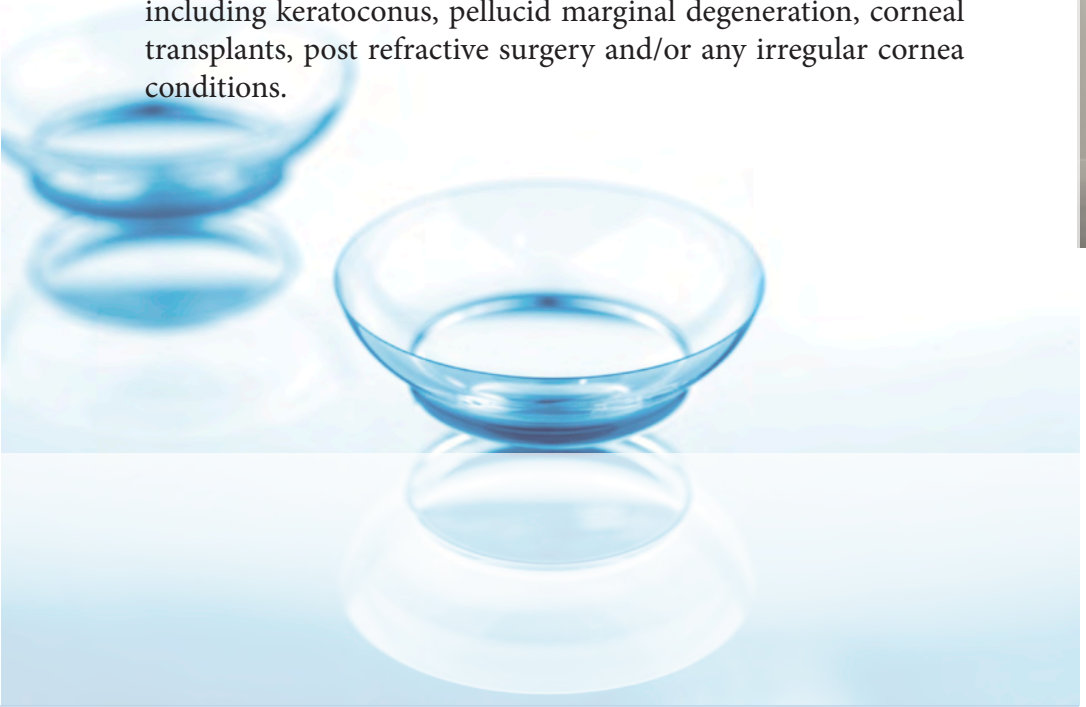
CUSTOM SOFT CONTACT LENS FOR IRREGULAR CORNEAS

FITTING GUIDE

X-CEL® CONTACTS
We Fit Your Practice™

FLEXLENS® ARC

The Flexlens® ARC is a specialty soft lens option available from X-Cel Contacts for those patients who cannot adapt to a rigid lens for the visual correction of various ocular conditions including keratoconus, pellucid marginal degeneration, corneal transplants, post refractive surgery and/or any irregular cornea conditions.



X-CEL® CONTACTS
We Fit Your Practice

Learn about X-Cel's In-Office Consultation for Specialty Contact Lens Fits

In today's optical business, time is the most valuable commodity. The initial specialty lens fitting process averages multiple office visits per patient, but with the help of our in-office assistance, the visits can be reduced in most cases. We believe the patient in your chair is our patient too. If you are fitting the Flexlens® ARC lens or any of our designs for the first time, fitting a new patient, or have a difficult fit, we would like to provide you with an "in-office" consultant. During the consult, we are there to assist in the fitting process and to ensure a successful fit.

To learn more, please call an
X-Cel Consultant or Account Manager for details.

We Fit Your Practice™

PATIENT INDICATIONS

The **Flexlens® ARC design** is a custom soft lens indicated for the visual correction of various ocular conditions including; keratoconus, pellucid marginal degeneration, corneal transplants, post-refractive surgery, and/or any irregular cornea.

LENS DESIGN & PARAMETERS

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

Materials	Definitive Silicone Hydrogel 74%*
Base Curve	6.3mm to 8.7mm in 0.1 mm steps
Fitting Curve	8.6 Standard
Diameters	13.0mm to 16.0mm in 0.5mm steps
Powers	+50.00D to -50.00D
Cylinder	-0.50D to -10.00D in 0.25D steps
Axis	1° to 180° in 1 degree steps
Prism	1.50 standard with 2.00 available
Thickness	0.30mm and 0.50mm

*Other materials are available through X-Cel consultation.

DIAGNOSTIC SET PARAMETERS

The **Flexlens ARC** diagnostic set contains 18 lenses manufactured in Definitive Silicone Hydrogel 74% material.

Base Curve	Power	Diameter	Thickness
6.0	-6.00	14.5	.30
6.3	-6.00	14.5	.30
6.6	-6.00	14.5	.30
6.9	-6.00	14.5	.30
7.2	-6.00	14.5	.30
7.5	-6.00	14.5	.30
7.8	-6.00	14.5	.30
8.1	-6.00	14.5	.30
8.4	-6.00	14.5	.30
6.0	-6.00	14.5	.50
6.3	-6.00	14.5	.50
6.6	-6.00	14.5	.50
6.9	-6.00	14.5	.50
7.2	-6.00	14.5	.50
7.5	-6.00	14.5	.50
7.8	-6.00	14.5	.50
8.1	-6.00	14.5	.50
8.4	-6.00	14.5	.50

Custom Soft FLEXLENS ARC

FITTING THE FLEXLENS ARC

For best visual acuity outcome, and reduced chair time, use of a fitting set is required.

BASE CURVE SELECTION

For suggested fit set starting point, use median K to choose closest base curve from the diagnostic set.

Example: 45.00/49.00 = 45.00 + 49.00 = 94.00/2 = 47.00
47.00 = 7.18 or Trial Lens 7.20

As seen in the following case studies, your base curve starting point philosophy may vary as your Flexlens ARC fitting experience broadens.

- For cylinder powers at -2.00 or lower, START WITH THE .30 THICKNESS
- Over a -2.00 cylinder START WITH THE .50 THICKNESS
- Insert lens and use provided high molecular fluorescein to evaluate fit/position.

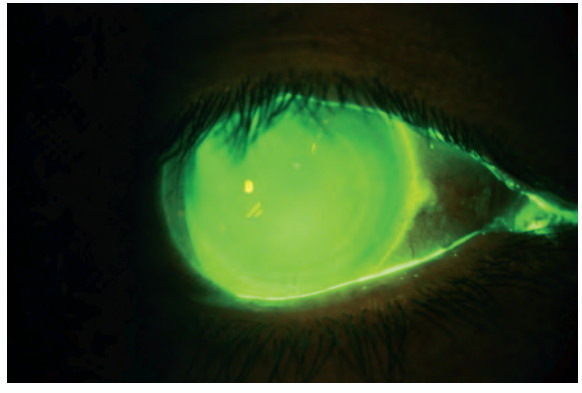


Image courtesy of Dr. Augusto Rossé, Santiago, Chile

FITTING STEPS

1. Starting with the position evaluation of the lens, look for a well centered alignment with no more than 2mm of movement.
2. Centrally the lens should display slight central touch with no air bubbles or folds.
3. Let lens settle for 10 minutes before performing rotation, edge and acuity evaluation.
4. Check for lens rotation. Any rotation over 10 degrees requires next steeper base curve.
5. Evaluate the edge in complete 360 degree circle by checking all four gazes (Up, Down, Right, Left)
6. Perform sphere-cylinder over-refraction and compare to best achievable acuity of patient. (should be at least equal)
7. All evaluation information should be given to an X-Cel consultant for final lens order.

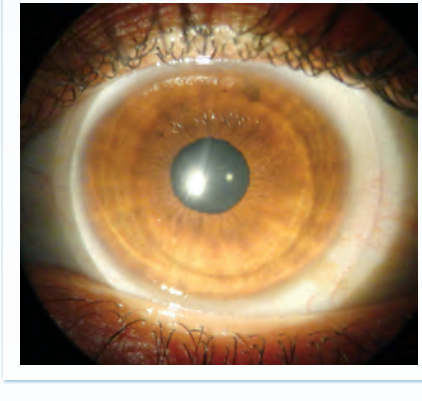


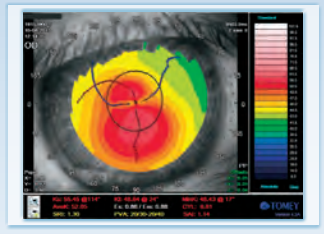
Image courtesy of Edgar Davila, OD, FIACLE, NCLE-AC, San Juan, Puerto Rico

FLEXLENS ARC CASE STUDY 1

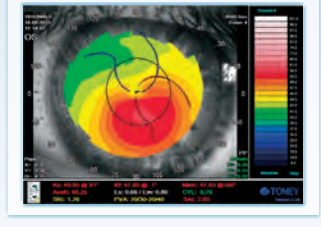
PATIENT: Keratoconus, 17 year old male

Patient was a scleral contact lens wearer, but discontinued use of lenses due to discomfort caused by allergies. Patient's scleral lenses were replaced with a competitivve soft irregular cornea contact lens, however, the patient was never able to reach good visual acuity with these lenses. In order to reach good visual acuity and to obtain ideal comfort, the patient was then successfully fit with Flexlens® ARC. Case information follows:

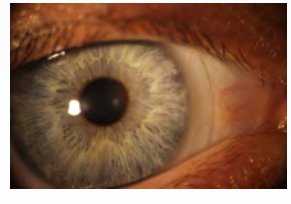
K Readings
OD 48.64/55.45 x 114
OS 47.85/48.65 x 91



First Trial Lens
8.4 -6.00 14.5 **.30 CT**
Over-refraction
OD +1.50 -3.75 x 16
VA 20/25
OS +1.75 -0.75 10
VA 20/20



Second Trial Lens
8.4 -6.00 14.5 **.50 CT**
Over-refraction
OD +1.50 -2.75 15
VA 20/20
OS +1.75 -0.50 x 10
VA 20/15



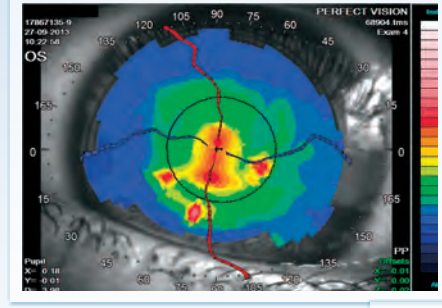
Final Lens:
OD 8.40 14.5 -4.50 -2.75 x 16 0.50 CT VA 20/20
OS 8.40 14.5 -4.50 -0.50 x 10 0.50 CT VA 20/15

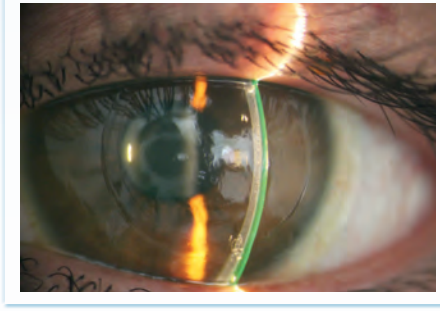
Images courtesy of Dr. Augusto Rossé, Santiago, Chile

FLEXLENS ARC CASE STUDY 2

PATIENT: A.S. - Keratoconus (Nipple Kone)

K Readings OS	42.44/47.26 x 80
Rx	-0.25 -2.00 x 175 = 20/30 VA
1st Trial Lens	8.1 -6.00 14.5 **.30 CT**
Over-refraction	+4.50 -3.50 x 170 = 20/25 VA
2nd Trial Lens	8.1 -6.00 14.5 **.50 CT**
Over-refraction	+4.50 -2.00 x 170 = 20/15 minus VA





Final Lens: 8.10 14.5 -1.50 -2.00 x 170 .50 CT VA 20/20

Images courtesy of Dr. Augusto Rossé, Santiago, Chile

TROUBLESHOOTING

Problem	1st Change	2nd Change
High riding lens	Flatten BC 0.3mm	Decrease diameter 0.5mm
Low riding lens	Steepen BC 0.3mm	Increase diameter 0.5mm
Excessive lens movement	Steepen BC 0.3mm	Increase diameter 0.5mm
Central air bubble	Flatten BC 0.3mm	Decrease diameter 0.5mm
Lens fold	Steepen BC 0.3mm	Increase diameter 0.5mm
Excessive touch	Steepen BC 0.3mm	
Unstable over-refraction	Flatten BC 0.3mm	
Excessive lens rotation	Steepen BC 0.3mm	Increase diameter 0.5mm Increase prism to 2.00
BCVA not achieved with 0.30 thick lens	Go to 0.50 thick lens	

NO RISK WARRANTY

The Flexlens ARC lens is warranted for unlimited exchanges or cancellation provided the exchanges and/or cancellations occur within 90 days of the original invoice date. Exchanged lenses will be billed at full price. Credit will be issued via paperless credits (see below) or when the lenses are returned. All paperless returns will incur a $3 material recovery fee per lens. All physical returns will incur a $5 material recovery fee per lens, and original invoice must accompany lenses. Warranties do not cover lost or damaged lenses.

PAPERLESS CREDIT POLICY: There is no need to return lenses when utilizing the paperless credit option. You have three options for Paperless Credit submission:

- Website under Consultation/Paperless Credits
- Phone 800.241.9312 or Fax: 800.822.9235
- Email: xcelcredits@walman.com

When submitting your Paperless Credit via fax or email please include; your account number, invoice number, patient name and quantity. Once we have received your credit request, we will process your credit and it will appear on your monthly statement.

ANNUAL SUPPLY OR SPARE DISCOUNT

Annual supplies (quarterly or monthly) are available for purchase at a greatly reduced price. After the additional lenses are purchased, the original lenses may not be returned for credit. To receive the discounted price, all additional lenses must be ordered together and placed on the same invoice within 90 days of the original invoice. Additional lenses are non-warranted and non-returnable.

We offer a 50% spare pair discount.

Custom Soft FLEXLENS ARC