



The world's leading
Keratoconus lens
has just got better . . .

ROSE K2™

Now with aberration controlled
optics to give your patients even
better vision correction

DAVID THOMAS

"an eye for excellence"

Introduction

THE Rose K™ Keratoconus Lens System was developed by Dr Paul Rose OD FNZCLS over a period of ten years. The lens design came out of the need for Dr Rose to manage his numerous Keratoconus patient base in a timely and cost effective manner. The fitting system that he developed incorporates easy fitting for the practitioner, while giving the patient increased lens comfort and better visual acuity. Over the last few years the Rose K™ fitting system has become the leading choice for many practitioners throughout the world gaining FDA approval in America in 1996. Rose K™ International, the intellectual property holders for the design, actively encourage with their manufacturing partners a policy of continuous improvement. The introduction of the latest aspheric technology giving precise control over the power curves has resulted in the enhancement of Rose K™ to achieve aberration controlled optics. The combination of the Rose K™ proven design together with sophisticated aberration control provides your Keratoconus patients with the ultimate lens - The Rose K2™. David Thomas Contact Lenses are the exclusive manufacturer and distributor of the Rose K2™ lenses in the United Kingdom and supply many distributors throughout the world. The Rose K2™ is now the most successful lens system for Keratoconus patients worldwide.

Rose K2™ design

COMPLEX Lens Geometry, combined with the most advanced materials available make the Rose K2™ lens the better fit for superior patient comfort and visual acuity. Multiple parameters make fitting the Rose K2™ lens easy, for reduced chair time and increased practice efficiency. The Rose K2™ Keratoconus Lens uses a decreasing back central optic diameter as the base curve steepens. The ratio is set but is dependent on base curve and diameter. Three standard edge lifts are offered which will accommodate approximately 85% of all Keratoconus fits:

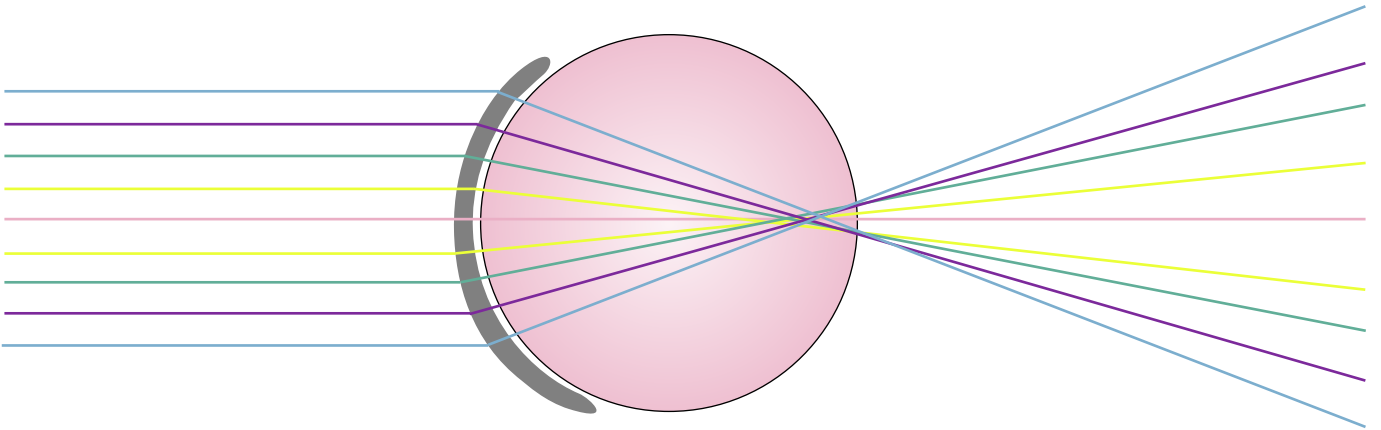
- 1 Standard edge lift
- 2 Increased edge lift
- 3 Decreased edge lift

However numerous other edge lift options are also available which fine tunes the edge fit even further enabling the filter to provide the optimal peripheral fit in nearly 100% of all keratoconus patients. Because this lens design follows more closely the corneal shape, the Rose K2™ lens provides excellent vision and comfort. The power of the trial set increases as the back optic zone radius steepens, allowing more accurate fitting and power assessment as refraction with the trial lens is usually minimal.

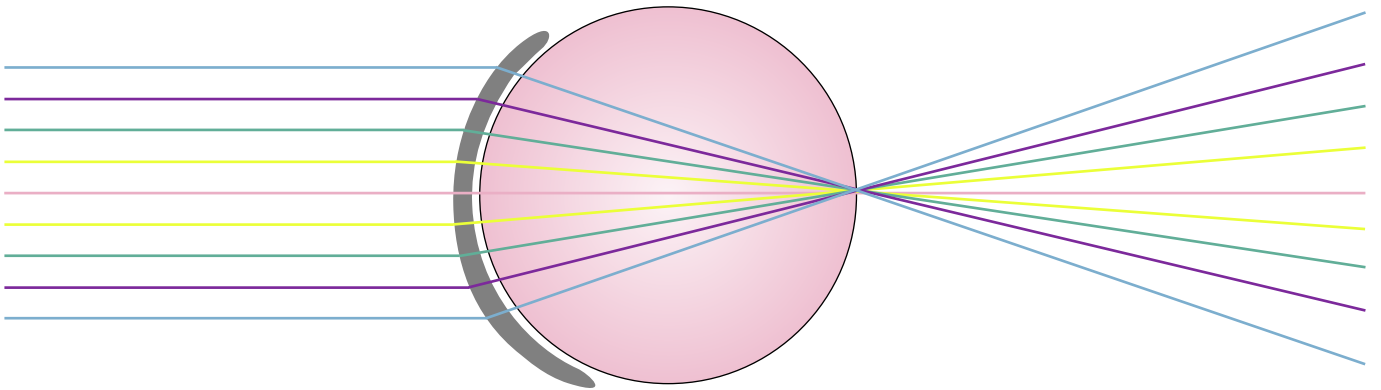
Spherical aberration control

THE Rose K2™ lens design incorporates sophisticated computer controlled aspheric curves to counteract spherical aberration. This does not affect the original fitting characteristics of the Rose K™ lens design.

Optics of a lens not using aberration control



Light rays do not focus at one point because of spherical aberration.



Light rays focus at one point because spherical aberration control is incorporated.

Benefits of Rose K2™

- Ease of fitting
- Extensive parameter range
- Choice of multiple peripheral systems
- Advanced aberration control for better visual acuity

- Increased patient comfort
- Highly satisfied patients
- Systematic approach
- Extensive trial set accompanied by comprehensive fitting manual

Fitting guide

Three fitting guides are available on request for the Rose K2™ lens:

- 1 Practitioners guide to first fit success with the Rose K2™ lenses for Keratoconus.
- 2 Rose K2™ lens fitting guide for Keratoconus. (Sent automatically with trial sets)
- 3 Rose K2™ Keratoconus lens troubleshooting guide.

A CD Rom featuring fitting instructions from Dr. Rose is also available.

With its smaller back optic zone and adjustable peripheral clearance the Rose K2™ lens provides good comfort and visual acuity for patients with Keratoconus.

The first trial lens to be selected should be 8.70mm overall diameter with the standard edge lift.

Basic Procedure

- 1 Take Keratometer measurements and average these or use a corneal topographer.
- 2 Select your first Rose K2™ trial lens 0.2mm steeper than average K readings or if using a corneal topographer choose your first trial lens the same radius as the third ring out on the temporal side.
- 3 Fit central area first by changing BOZR until very light apical touch can be discerned.
- 4 Assess peripheral fit. A fluorescein ring under the edge of 0.5mm to 0.7mm is optimal.
 - a If lift is excessive the lens will move too freely and have a band of fluorescein at the edge wider than 0.7mm. The tear meniscus between the cornea and the lens at the edge may break causing a small bubble. In this case consider a decreased lift.
 - b If lift is inadequate the fluorescein ring at the edge will be less than 0.5mm and a dark ring of touch will show, particularly near the edge of the lens. The lens will often be uncomfortable and may not move freely on blinking. In this case consider increased lift.
- 5 Location:
 - a If riding low, increase diameter.
 - b If riding high, decrease diameter.
- 6 Power:

Over refract initially using one dioptre steps and refine with 0.50 and 0.25 steps.

Ordering information

Your order must show:

- 1 Back optic zone radius (BOZR)
- 2 Overall diameter
- 3 Edge Lift
- 4 Power
- 5 Tint
- 6 Material
 - a Boston ES
 - b Other materials
- 7 Order must clearly state Rose K2™

Rose K2™ parameters

BOZR:

4.80mm to 8.50mm in 0.05mm steps

Power:

Full range

Centre Thickness:

Minimum (Power Dependent)

Edge Lift:

Multiple lift options available

Lens Material:

Available in Boston ES and other materials.

Trial set information

Policy:

IT IS David Thomas Contact Lenses policy to make trial sets readily available to purchase and on short term loan. It is essential for all new patients that a Rose K2™ lens should not be ordered unless a diagnostic fitting set has been used to assess the fit.

The reasoning for this policy is simple. The Rose K2™ Keratoconus lens design has to be thought of as a “system” involving trial fitting, diameter selection and peripheral correctness. No more guessing after the first parameter choice and no more laboratory lens modifications.

We believe that once you have tried the Rose K2™ lens design system using the diagnostic fitting set, you will be converted to the system. Clinical studies conducted in both the United Kingdom and America have shown that the Rose K2™ lens design on Keratoconus patients gives approximately an 80% first time fit rate.

Specification:

Trial sets are manufactured in a low DK gas permeable material in 8.70mm diameter with increasing minus powers. There are twenty six lenses in the set. Sets are supplied with standard edge lift but are also available with increased and decreased lifts.

BOZR	POWER	DIAMETER
5.10	-23.00	8.70
5.20	-22.00	8.70
5.30	-21.00	8.70
5.40	-20.00	8.70
5.50	-19.00	8.70
5.60	-18.00	8.70
5.70	-17.00	8.70
5.80	-16.00	8.70
5.90	-15.00	8.70
6.00	-14.00	8.70
6.10	-13.00	8.70
6.20	-12.00	8.70
6.30	-11.00	8.70

BOZR	POWER	DIAMETER
6.40	-10.00	8.70
6.50	-9.00	8.70
6.60	-8.00	8.70
6.70	-7.00	8.70
6.80	-6.00	8.70
6.90	-5.00	8.70
7.00	-4.00	8.70
7.10	-3.00	8.70
7.20	-3.00	8.70
7.30	-3.00	8.70
7.40	-2.00	8.70
7.50	-2.00	8.70
7.60	-2.00	8.70

Other Details: Engraved BOZR.

Powers may vary but will be clearly indicated.

Rose K2™ price information

INCIDENCES of Keratoconus are on the increase, largely because of a higher detection rate from corneal topography that is being more frequently used. Traditionally difficult and awkward patients to fit, and previously often referred to a specialist filter, Keratoconus patients can now be fitted with confidence using the Rose K2™ lens design. As Keratoconus is often a progressive disease, and these patients tend to lose lenses regularly, then by offering a lens design that works for you and the patient, repeat fits, profitability and patient satisfaction can be attained using the Rose K2™ lens design.

Price:

PRODUCT	WITH EXCHANGE*	NO EXCHANGE
Rose K2™ Boston ES	POA	POA
Rose K2™ Other materials	POA	POA
Rose K2™ GP Single Use Trial Lens	N/A	POA
Rose K2™ Toric Extra Charge	POA	POA
Rose K2™ Toric Periphery	POA	POA

* Includes two exchanges or full credit for ninety days.

- Rose K2™ GP Trial Set POA
- Rose K2™ Trial Set two week Loan No Charge

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