For additional information on fitting *ClearKone™*, please visit **www.FitSynergEyes.com** to view fitting videos, case studies, NaFL pictures and more.

Clearkone

Restoring vision. Changing lives.™



FITTING GUIDE & TIPS FOR ACHIEVING SUCCESS



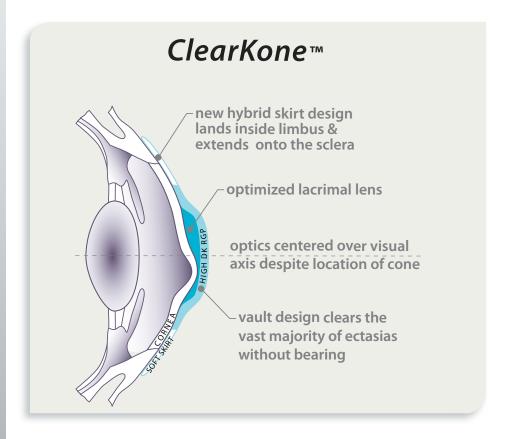


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Advanced Lens Design

The ClearKone™ patent-pending vault design and the reverse geometry landing system are optimized to clear the predominant irregularities of the keratoconic cornea, thus effectively restoring vision to a vast majority of irregular cornea patients without compromising comfort or eye health, even in the most challenging cases. The excellent centration and stability of the hybrid platform keep the optics centered over the visual axis, regardless of the location of the cone, to successfully decrease aberrations resulting in superior visual acuity.



Patient Candidates

- · Oval and Nipple Keratoconus
- · Central and Decentered Cones
- · RK, PRK and LASIK Induced Ectasia
- · Globus (depending on the specifics of the case)
- · Pellucid Marginal Degeneration (depending on the specifics of the case)
- · Most Irregular Corneas (depending on the specifics of the case)

Design Features

- 1. Exclusive vault design optimizes lacrimal lens to fit a vast majority of ectasias
- 2. ClearKone™ design centers the optics independent of the location of the cone, decreasing aberrations resulting in superior visual acuity
- Design allows for much of the power to come from the lacrimal lens, which substantially lowers lens powers to further enhance optical quality
- 4. ClearKone™ incorporates a new hybrid skirt curve design which promotes all-day tear flow and movement, providing comfortable lens wear, corneal health and simplified lens removal
- 5. ClearKone™ utilizes a linear vault fitting system which simplifies the fitting process and minimizes chair time

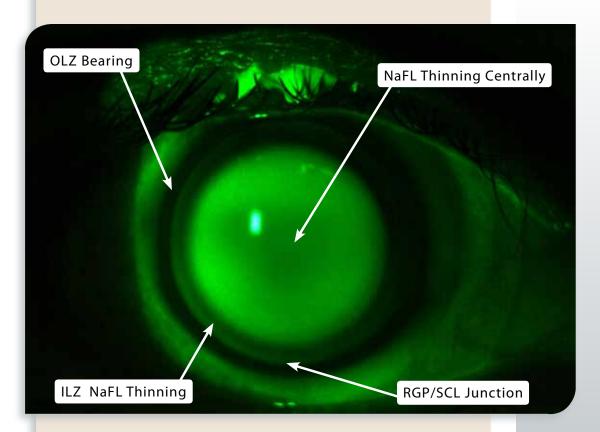
Key Fitting Principles

The fitting philosophy of the *ClearKone*[™] lens is based on the concept of fitting on overall sagittal depth instead of varying the base curve in relation to the irregular cornea. The fit of the *ClearKone*[™] depends upon the depth of the lens clearing the elevation of the cone, rather than a match in curvature. The fitting process involves first determining the minimal vault needed to clear the cone and then determining the skirt curvature that properly lands inside the limbus and extends onto the sclera.

The **vault** value describes the overall relative depth of the lens. The goal is to determine the *least* amount of vault that is needed to clear the cone.

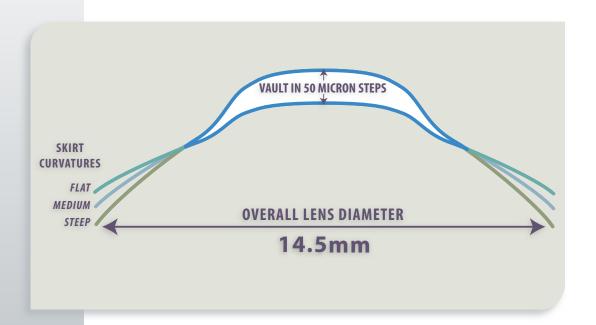
The lens lands on both the soft (defined as **Outer Landing Zone [OLZ]**) and rigid (defined as **Inner Landing Zone [ILZ]**) materials. The landing area is divided by the junction of the hybrid lens.

Ideal *ClearKone*™ Fit



Vault and Skirt Curvature

ClearKone[™] is available in 11 different vaults of which each can be ordered in 3 different skirt curvatures, flat, medium, and steep, to properly fit a vast majority of irregular cornea patients. The fit of the vault is independent of the fit of the skirt curvature – each should be fit separately.



ClearKone™ is available in 11 vault values. Each vault can be ordered in 3 different skirt curves.

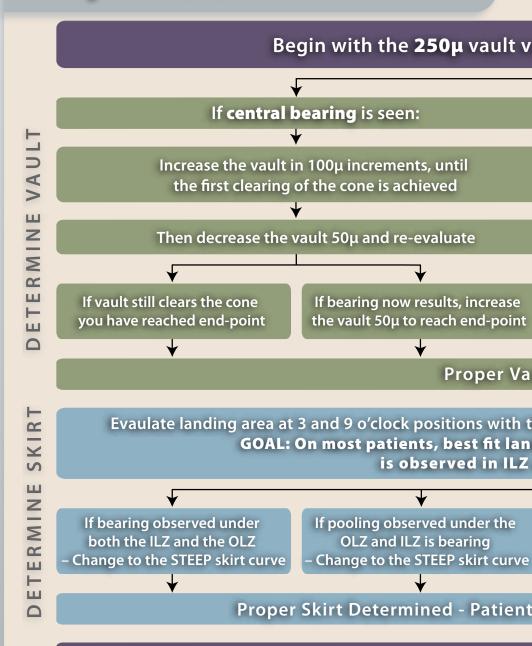
Diagnostic Set

To enable practitioners to properly fit *ClearKone*[™], SynergEyes offers a 22 lens diagnostic set that is critical and required to achieve success with this product. The diagnostic set contains 11 vaults ranging from 100 – 600μ in 50μ steps. Each vault within the diagnostic set is available in two different skirt curve options, medium and steep. A flat skirt can be ordered for the patients for whom it may be needed. Each diagnostic lens has laser markings that indicate its lens type, vault and skirt curvature.

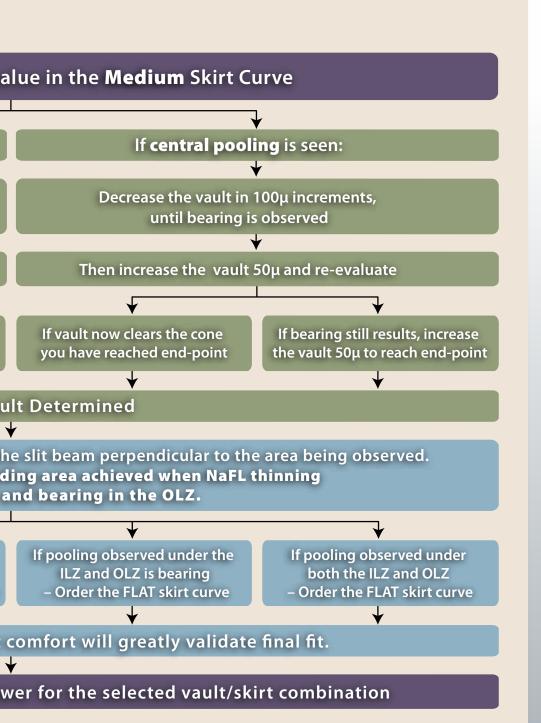
Linear Vault Fitting System

ClearKone™ utilizes a linear vault fitting system, which simplifies the fitting process and minimizes chair time. The power of the diagnostic lenses is calibrated to change at the same rate as the vault value. Therefore, any two lenses within the fitting set will require the same over-refraction. Once the over-refraction of a diagnostic lens has been determined, every other lens in the set should take the same over-refraction.

Fitting Flow Chart



Over-refract to determine final lens po



Bubbles

There are areas within the optic zone that could result in trapped air bubbles if the lens is not inserted properly. **Because** air bubbles can affect the appearance of the NaFL pattern, it is critical to eliminate them prior to evaluating the fit.

- Bubbles are ALWAYS representative of an insertion error
 NOT a fitting error. Do not attempt to displace bubbles
 by decreasing vault.
- · You must remove the lens and re-insert making certain that the bowl of the lens is filled to the TOP with solution.
- · Bubbles cannot be displaced by lens manipulation.
- Bubbles are less likely to occur if patient maintains fixated gaze (straight to the floor) throughout the insertion process.

Proper Insertion Process



- High molecule fluorescein (FluoreSoft®) is necessary for fit evaluation, both central (vault) and peripheral (landing zone/skirt curve).
- To increase the comfort of the fluorescein and to minimize insertion bubbles, fill the bowl of the lens with 1 drop of fluorescein and fill the remainder of the bowl completely to the top with nonpreserved saline.

Proper Insertion Process cont'd

- Fill the lens while holding it horizontally on the DMV scleral cup (included in the diagnostic set) OR by stabilizing the lens between the index and middle finger.
- Have the patient lean forward and tuck their chin to chest.
 Nose should be perpendicular to the floor.
- Retract the upper and lower lids and elevate the lens onto the center of the cornea, displacing the saline. Be careful not to push the lens too forcefully upon insertion.





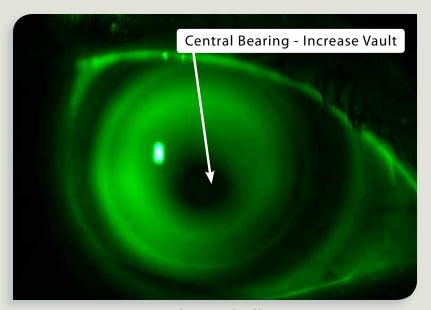




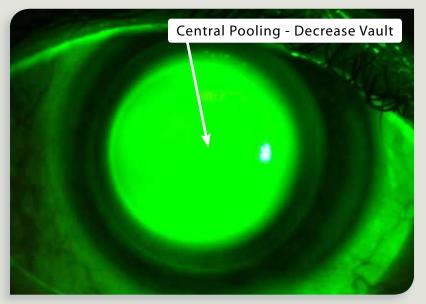
Check for bubbles under the lens with NaFL illuminating cobalt penlight (included in the diagnostic set).

Determining Proper Vault

- Disregard all conventional fitting practices for other lens designs for keratoconus – including the SynergEyes® KC lens.
- · Give preference to clearance over touch when fitting.
- For patients who are being re-fit from flat fitting RGPs choose a deeper vault (~50µ deeper) to allow for the anticipated return of the cornea to its natural shape.
- · It is important to evaluate the fit within 3-5 minutes after insertion, because the tear flow will thin the NaFL and can give a false evaluation.
- · After a few minutes of wear, the patient will tell you if you have apical touch because the lens will not be comfortable. IF they don't it isn't touch you have the appropriate fit.
- Topography can be very misleading when fitting ClearKone™. You may not always find a correlation between K values and vault values.



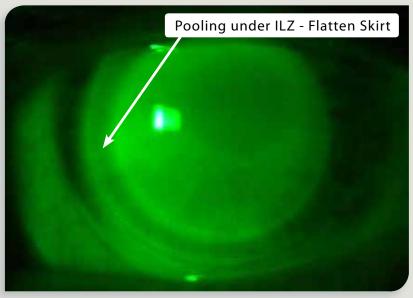
Vault too shallow

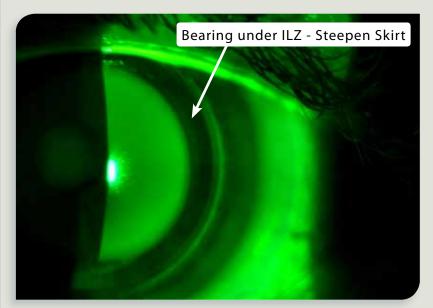


Vault too deep

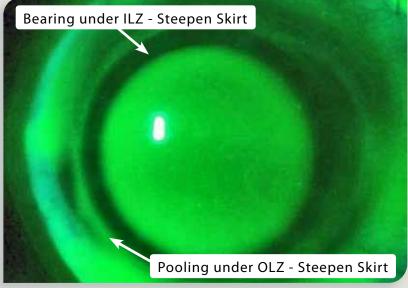
Determining Proper Skirt Curvature

- · Evaluate skirt curve only after the proper vault has been determined and is on the eye.
- · It is critical to use a Wratten filter to enhance the NaFL response. This makes fine tuning the skirt curve much easier and will save chair time.
- The ideal fit will exhibit NaFL thinning in the Inner Landing Zone (ILZ) and bearing in the Outer Landing Zone (OLZ).
- · If the skirt curve is fit correctly, the lens will exhibit movement very similar to a standard soft lens.
- The patient's comfort/discomfort comparison will confirm whether you have the correct/incorrect skirt curve.





Skirt Curve is too flat



Skirt Curve is too flat

ClearKone™ Available Parameters

Material	Paflufocon D center (hemiberfilcon A skirt)
Dk	100
Water Content	27% (soft skirt)
Diameter	14.5mm
Vault	100 – 600 in 50μ steps
Skirt Curvature	Steep, Medium, Flat
Sphere Power	+2.00 to -8.00 in 0.25D steps -8.50 to -15.00 in 0.50D steps +2.50 to +5.00 in 0.50D steps
Wear Indications	Daily Wear
Recommended Replacement	6 Months
Lens Care	Hydrogen Peroxide
Delivery	1-2 Weeks

Customer Care

PHONE: 877.733.2012, option 1

Consultation

PHONE: 877.733.2012, option 2



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