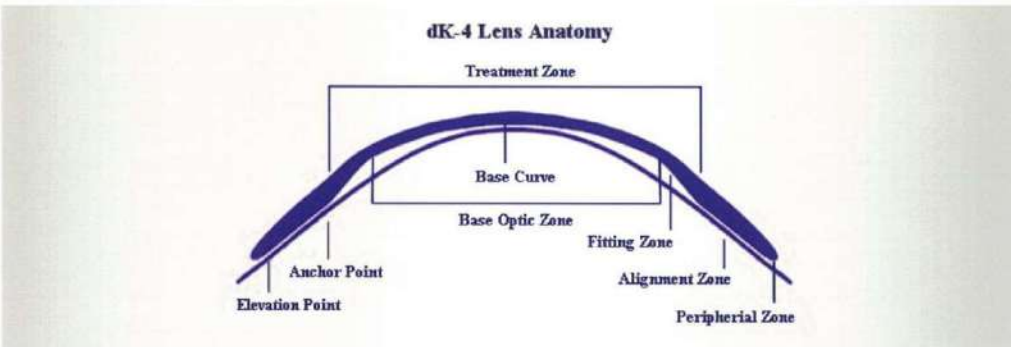


Innovative Design: Edge Elevation Fitting System



Suggested treatment range

| | |
|--------------------------|----------------------------|
| Power change in Sphere | Up To -5.0D Ortho-k Effect |
| Power change in Cylinder | Up to -1.50D |
| Keratometry | 39.0 to 46.5D |

Lens parameters

| | |
|------------------|---------------------------|
| Lens diameter | OAD From 10.0mm To 11.6mm |
| Center thickness | 0.20 or 0.22 mm |

All lenses are made from high quality Boston® material

| Material | DK/t | Lens color |
|-------------|------|------------------------------|
| Boston® XO | 100 | Green/Violet/Blue/Red/Yellow |
| Boston® XO2 | 146 | Green/Violet/Blue/Red/Yellow |

Ocuviq dK4 orthokeratology lenses

Orthokeratology lenses have been available in the market over ten years but most of them are designed base on the Caucasian eyes that might result in the lower successful rate for Asians. Ocuviq dk-4 Orthokeratology lens is designed according to the parameters of Asian corneas. It provides an excellent choice for most corneas. The specially designed Alignment Zone in associated with Edge Elevation Fitting System provides optimal peripheral fit to suit the eccentricity of Asian corneas. With high DK Boston® material, Ocuviq dk-4 provides a sophisticated environment for the patients to attempt a safety overnight wearing program with higher successful rate

Ocuviq dk-4 Orthokeratology lens is the best choice for you and your patient!

Ocuviq dK-4 characteristics

First Asian Ortho-K Lens

- High Successful Rate
- Innovative Fitting Philosophy
- Healthy and Comfortable (High DK)
- First Ortho-k Lens Developed Under Asian Corneal Parameters

Ocuviq dK-4 Quick Fitting Guide

How To Achieve Optimal Fit?

Pre-fitting: You Have To....

Perform Comprehensive Eye Examination And Detail Base Line Topographic Analysis

Peripheral Zone :

About 0.4mm Width Under Slit Lamp Observation.



About 0.4mm

Alignment Zone:

Compare Tear Layer Thickness At Elevation Point With Anchor Point To Get An Evenly Distributed TLT beneath AZ.



Tear layer is evenly distributed

Initial Trial Lens Selection Based On....

1. Overall Diameter Of The Trial Lens :

Equal To Or Not Larger Than 95% Of The Corneal Diameter Of The Eye.

| | | |
|------|---------|--------|
| e.g. | HVID | OAD |
| | 11.00mm | 10.4mm |
| | 11.20mm | 10.6mm |
| | 11.60mm | 11.0mm |

2. Ref-k Of The Trial Lens :

According To The Subject's Flattest k-reading Taken From Keratometer Or Sim-k From Topographer.

Fitting Evaluation By Fluorescein Pattern

Lens Diameter:

Equal To Or Not Larger Than 95% Of The Corneal Diameter.

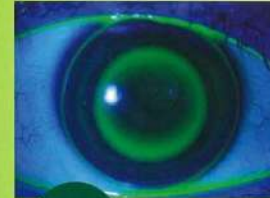
For New Fitters :

Try One Step Looser In Ref-k, Even An Optimal Fitting Is Achieved.



Optic Zone :

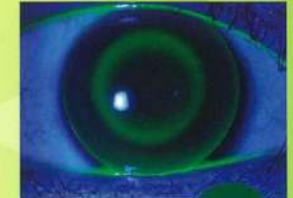
Central Bearing Should Be 3-4mm.



Tight Fit



Optimal Fit



Loose Fit

Lens Centration :

Not Exits The Limbus Margin In All Directions Of Gaze.

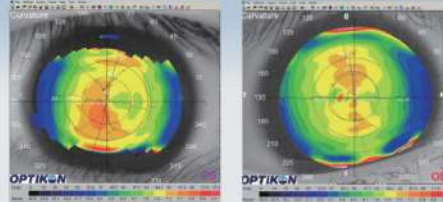
Central Volume Adjustment (CVA)

Examine TLT Beneath Optic Zone, Central Bearing Of 3-4mm Should Be Seen Under Optimal Fit.
If Central Pooling Takes Place, CVA of -10um Is Needed.
If Central Pooling >4mm, CVA Of +10um Is Needed.

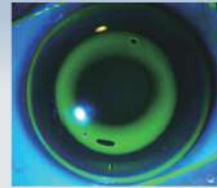


Easy Fitting Tips

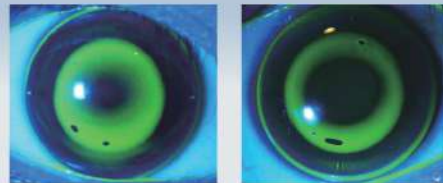
Capture a "Completed" Map, Clearance around 7mm area, to have a Perfect Base Line Analysis



Avoid from Over/Under Lens Size:
Keep the 95% cornea/lens ratio



Avoid from Tight Fitting:
Keep Edge Lift as 0.4mm width under Fluorescein Examination

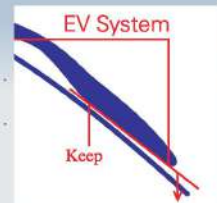


Try One Step Looser In Ref-k, Even when Optimal Fitting Is Achieved

Alter the Asymmetry:
When Horizontal Edge Lift = 0.4 mm Width under Fluorescein Examination
Vertical Edge Lift with Excessive Pooling
Keep Ref-k
Increase Asymmetry



EV & CVA System:
Same as dK-4
EV System: Std, EV+10 & EV-10
CVA System: On, CVA+10 & CVA-10



Ocuviq dK-4 Toric Quick Fitting Guide



Ocuviq dK-4 Toric Quick Fitting Guide



FEATURES of dK-4t

- Spherical Base Curve for Sphericalization
- Symmetric / Asymmetric Fitting Zone
- Easy to fit Asymmetric Alignment Zone
- Up to -4.00DC* Ortho-k Effect
- OAD from 10.0mm to 11.6mm

Pre-fitting:

Perform Comprehensive Eye Examination And Detail Baseline Topographic Analysis

Consider dK-4t When
Corneal Cyl at 7mm Zone > 1.50DC

Initial Trial Lens Selection

1. Overall Diameter Of The Trial Lens :

Equal To Or Not Larger Than 95% Of The Corneal Diameter Of The Eye.

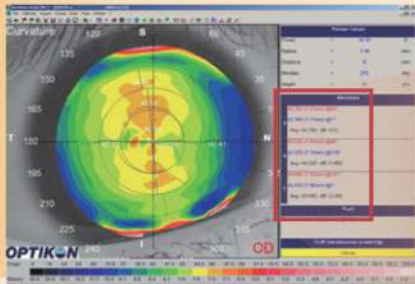
| e.g. | HVID | OAD |
|------|---------|--------|
| | 11.00mm | 10.4mm |
| | 11.20mm | 10.6mm |
| | 11.60mm | 11.0mm |

2. Ref-k Of The Trial Lens :

According To The Subject's Flattest Sim-k From Baseline Topography

3.0. Asymmetry of The Trial Lens:

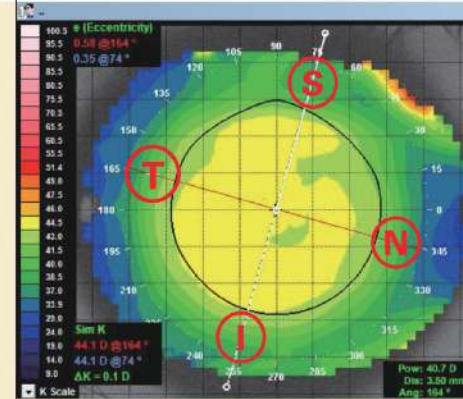
Based On Power Difference Values at 7mm Zone of the Baseline TANGENTIAL Corneal Topography



3.1. Asymmetry of The Trial Lens: (For Topographers WITH Relevant Analysis)

Obtain 7mm Zone Power Difference Value Directly From The Subject's Baseline TANGENTIAL Corneal Topography

| Meridian | Power (7.37mm) | Angle |
|------------------------|----------------|-------|
| 15 | 45.79D | @94° |
| 3 | 43.79D | @1° |
| Avg.=44.79D dfl=-2.0 | | |
| N | 45.53D | @96° |
| 5 | 43.57D | @179° |
| Avg.=44.55D dfl=-1.96D | | |
| 34 | 44.96D | @101° |
| 7 | 42.41D | @1° |
| Avg.=43.64D dfl=-2.44D | | |
| 330 | | |



3.2. Asymmetry of The Trial Lens: (For Topographers WITHOUT Relevant Analysis)

- Calculate the Power Difference At 7mm Zone
- Select Baseline TANGENTIAL Map
- Place And Click The Cursor On The Nasal Horizontal Meridian, 3.5mm From Center Of The Plot & Record Down The Pointer Values Shown
- Repeat The Procedure At Superior, Inferior And Temporal Position
- Calculate the Power Difference

3.2. Example of Calculating the Power (Tangential Map)

| | |
|---|------------------------------|
| Superior (S) = 41.15D | Nasal (N) = 36.68D |
| + Inferior (I) = 40.97D | + Temporal (T) = 40.91D |
| Total = 82.12D | Total = 77.59D |
| Divided By 2 = 41.06D | Divided By 2 = 38.79D |
| Power Difference = 41.06D - 38.79D = 2.27D | |

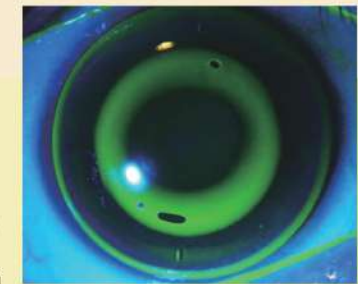
3.3. Asymmetry of The Trial Lens:

Selected by Power Difference Values @ 7mm Zone

- dK-4 for Power Difference <= 1.50D
- A1 for Power Difference < 2.00D
- A2 for Power Difference < 2.50D
- A3 for Power Difference < 3.00D
- A4 for Power Difference < 3.50D
- A5 for Power Difference < 4.00D

4. Diagnostic Marks:

- Standing at Steepest Meridian @ 7mm Zone
- Acceptable Deviation +/- 25 Degrees
- No Rotation Upon / After Blink
- A Limbus-to-limbus Centered Appearance with not More Than 95% Coverage of HVID
- 360° Alignment Fit with Edge Lift not Less Than 0.4mm



Example:

K Reading = 42.50@180 / 44.50@90
Corneal Power Difference @ 7mm Zone = 2.27D
Rx = -4.00DS / -2.00DC@180, HVID = 11.2mm

Final Lens To Order:

Ref-k 42.50/ Asym. A2/ OAD 10.6/
Sph. T -4.0DS/ *Cyl. T -2.0DC

(*According to Spectacle Cyl. Power for 1st lens order)