Nissel KII Rigid

RGP lens for successful management of keratoconus

FEATURES

- *system of management for keratoconus in modern hospital and specialist clinic environments*
- *single use trial lenses*
- *diagnostic set successfully fits approx. 80% of keratoconic patients*

BENEFITS

- *no-cost replacement trials*
- *unique adaptive back surface geometry*
- *aberration control optics provide best visual acuity In all lighting levels*

Product Specification

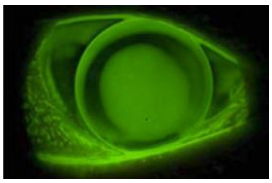
Material	Focon III 3
Permeability (Dk)	65 x 10^{-11}
Base Curve (mm)	Steepest available 4.80mm
Diameter (mm)	8.10, 8.40 8.70 (standard) 9.00, 9.30
Edge Lift (0.03mm = 1 step)	Standard Increased 1 step Increased 2 step Decreased 1 step Decreased 2 step
Power Range	-30.00D to +30.00D (0.25D steps)
Tints	(standard) Blue Grey Green Clear

FITTING PROCEDURE

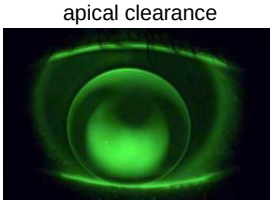
- Full refraction and eye examination
- Keratometry / Topography
- From the 8.70mm diameter fitting set select the lens having a base curve 0.30mm steeper than Average K / Flat Sim K or closest lens to this value

Good Fit

- Central position
- Small amount of apical clearance or very light apical touch
- Good edge clearance - 0.50 to 0.80mm
- Smooth movement- lid lifts lens with blink, lens then falls slowly



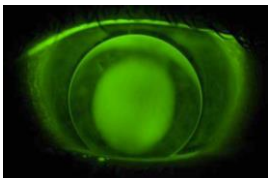
Acceptable fit showing minimal apical clearance



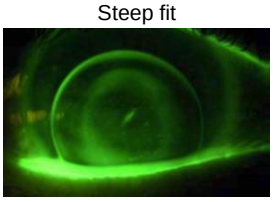
Acceptable fit showing light apical (3-point) touch

Central fit Assessment

- **Steep lens** - Excessive apical clearance – may reduce visual acuity – try flatter base curve
- **Flat Lens** - Large area of central touch – try steeper base curve until only light touch is seen



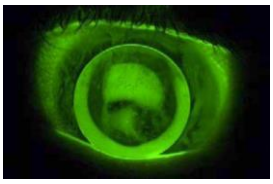
Steep fit



Flat Fit

Edge clearance assessment

- **Excessive edge clearance** – wider than 0.80mm – lens will have excessive movement – decrease edge lift
- **Inadequate edge clearance** – less than 0.50mm – lens may have reduced movement – dark ring of peripheral touch will be evident – increase edge lift



Good apical fit, but excessive edge clearance

Lens location

- **If lens riding low** – increase the total diameter
- **If lens riding high** – decrease the total diameter

Over-refraction should be carried out and final lens ordered from Cantor & Nissel.

For any further technical advice please do not hesitate to call our Professional Services Team 01280 702002 Option 2

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