
RIGID GAS PERMEABLE LENSES

GELFLEX

Gelflex Laboratories use the latest industry standard computerised lathes from DAC international. This enables lenses to be accurately manufactured and reproduced.

DESIGNS

ASPHERIC

Lens designed with an aspheric periphery. The amount of aspheric periphery of a lens depends on the base of the lens. The aspheric lens design is the most commonly prescribed RGP lens design.

TRI CURVE (C3)

Lens designed with three blended peripheral curves and edge lift.

TETRA CURVE (C3)

Lens designed with four blended peripheral curves and edge lift.

V CONTOUR

Lens designed by Vic Lowe. Lens has a series of four blended peripheral curves and edge lift.

AXIAL EDGE CLEARANCE (AEC)

Large overall lens diameter 10.50mm.

BAYLOR SKI

Small overall diameter lens.

POST GRAFT APPG1 & APPG2

Post Graft lens with an overall diameter of 11.20mm. The APPG2 has a flatter peripheral curve than the APPG1.

FITTING

ASPHERIC

Most common lens diameter 9.5mm. Fitted 0.10mm steeper than the flattest K.

TRI CURVE (C3)

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TETRA CURVE (C3)

Most common lens diameter 9.5mm. Fitted 0.10mm steeper than the flattest K.

V CONTOUR

Most common lens diameter 9.5mm. Fitted 0.10mm steeper than the flattest K.

AXIAL EDGE CLEARANCE (AEC)

Lens fitted on K.

BAYLOR SKI

Overall diameter 7.60 to 8.60mm. Lens fitted 0.10 steeper than the flattest K.

POST GRAFT APPG1 & APPG2

A balanced (as close to) alignment fitting is recommended.

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FITTING PROCEDURE

- Detailed eye examination.
- Full refraction.
- Keratometry.

INITIAL LENS ASSESSMENT

It is recommended that a local anaesthetic be applied prior to lens insertion. This allows practitioners to accurately assess the lens fit, without the presence of excessive tearing and assures patients that the final lens fitted will be readily adapted to.

ASSESSMENT OF TRIAL FITTING LENS

- Slight initial central pooling with an even fluorescein pattern.
- Easy lens movement.
- Upper lid attachment.
- Edge lift present.

Note: With a normal cornea (not keratoconic, post graft or a traumatised cornea).

STEEP FITTING LENS

- A defined central pool of fluorescein. Minimal edge clearance.
- Sluggish movement over the cornea.

A FLAT FITTING LENS

- Central area of lens is bearing.
- Excessive edge clearance.
- Excessive lens movement.

FINAL LENS POWER

An over refraction is taken over the best fitting trial lens to give resultant lens power.

RECOMMENDATION

The Harmony Plus material is the recommended material of choice, as the material has a hydrophilic polymer in the RGP's material matrix. This allows for a constant wet surface and greater wearing comfort.

TECHNICAL INFORMATION

MATERIALS	DK	COLOUR
Harmony Plus	97	Blue, Green, Grey
Fluoroperm	30	Blue, Green, Grey
Fluoroperm	60	Blue, Grey
Boston ES	18	Blue
Boston EO	58	Blue, Grey
Boston XO	100	Blue, Green, Violet
Equalens II	85	Blue, Green

Gelflex recommends the Boston range of RGP materials.

