



Sulcoflex® Aspheric

# Sulcoflex®

## Pseudophakic Supplementary IOLs

### HYDROPHILIC ACRYLIC INJECTABLE IOLS WITH UNDULATING HAPTICS AND POSTERIOR HAPTIC ANGULATION

With advanced IOL design and modern surgical technique, an exact refractive result following cataract surgery with implantation of an IOL is a reasonable expectation. Rayner® Sulcoflex® Pseudophakic Supplementary IOLs are designed to correct any post-surgical or residual ametropia, without the trauma, or increased surgical risk, of an IOL exchange.

Moreover, unlike with conventional "piggy-back" IOL implantations, the unique design of Rayner® Sulcoflex® Pseudophakic Supplementary IOLs ensures that the potential for contact between the two implants is minimised. This reduces the likelihood of induced refractive error and optical aberrations due to optic surface distortion at the area of contact between the IOLs.

Rayner® Sulcoflex® Pseudophakic Supplementary IOLs are manufactured from Rayner's proprietary hydrophilic acrylic co-polymer, Rayacryl®, which is noted for its exceptional uveal biocompatibility – a factor so important in those IOLs specifically intended for ciliary sulcus fixation. Rayacryl® is also noted for its superb optical clarity, with no vacuoles or glistenings. These factors, coupled with a remarkably low silicone oil adherence and excellent handling characteristics, means that Rayacryl® represents the ideal in IOL biomaterials.

The large optic diameter of Rayner® Sulcoflex® Pseudophakic Supplementary IOLs ensures quality of vision with reduced risk of optic-iris capture and the round optic edge contributes to low rates of dysphotopsia.

The large diameter "undulating" haptics ensures IOL centration and rotational stability and the haptic angulation ensures uveal clearance, thereby avoiding pigment dispersion, and further reducing the risk of optic-iris capture.

The soft, round-edged haptic design ensures minimum tissue contact reaction.



Sulcoflex® Toric



Sulcoflex® Multifocal

**Rayner® Sulcoflex® Pseudophakic Supplementary IOLs are specifically indicated for:**

- The correction of Post-surgical ametropia
- Enhancement of the refractive result after RLE or PRELEX.
- Enhancement of near / far vision
- Correction of any residual corneal astigmatism
- Correction of refractive changes following paediatric implantation.

**Physical parameters**

|                     |                                    |
|---------------------|------------------------------------|
| Optic Body Diameter | 6.5mm                              |
| Overall Length      | 13.5mm                             |
| Haptic angulation   | 10°                                |
| Optic configuration | Anterior Convex, Posterior Concave |

**Power Availability**

**Sulcoflex® Aspheric (653L)**

- Standard range  
-5.0D to +5.0D in 0.5D increments.
- Premium range\*  
-10.0D to -5.5D in 0.5D increments  
+5.5D to +10.0D in 0.5D increments.

**Sulcoflex® Multifocal (653F)**

-3.0D to +3.0D in 0.5D increments with +3.5D add.

**Sulcoflex® Toric (653T)**

- Standard range  
SE -3.0D to +3.0D in 0.5D steps, cylinder +1D to +3D in 1.0D steps.

|                |       |       |       |
|----------------|-------|-------|-------|
| Cylinder       | 1.0D  | 2.0D  | 3.0D  |
| Minimum sphere | -3.5D | -4.0D | -4.5D |
| Maximum sphere | +2.5D | +2.0D | +1.5D |

- Premium range\*  
SE -6.0D to +6.0D in 0.5D steps, cylinder +1D to +6D in 0.5D steps.

|                |       |       |       |       |       |       |       |       |       |       |       |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Cylinder       | 1.0D  | 1.5D  | 2.0D  | 2.5D  | 3.0D  | 3.5D  | 4.0D  | 4.5D  | 5.0D  | 5.5D  | 6.0D  |
| Minimum sphere | -6.5D | -6.5D | -7.0D | -7.0D | -7.5D | -7.5D | -8.0D | -8.0D | -8.5D | -8.5D | -9.0D |
| Maximum sphere | +5.5D | +5.0D | +5.0D | +4.5D | +4.5D | +4.0D | +4.0D | +3.5D | +3.5D | +3.0D | +3.0D |

\* Manufactured specifically to order.

**Presentation**

Rayner® Sulcoflex® Pseudophakic Supplementary IOLs are supplied in 0.9% saline solution in a pouched blister pack, sterilised by moist heat and presented in a convenient, ready to use Lens Injection System Pack containing:

- One Sulcoflex® Pseudophakic Supplementary IOL
- One Rayner® Single Use Soft-Tipped Injector

Sulcoflex® Pseudophakic Supplementary IOLs are exclusively designed in collaboration with Professor Michael Amon (Vienna, Austria). Sulcoflex® patent pending.



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Note: Sulcoflex® Pseudophakic Supplementary IOLs are not yet approved by the US FDA and Canadian authorities.  
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