

Rayner™ Intraocular Lens

The *C-flex*™ & *SuperFlex* Acrylic UV Injectable Lens Systems (570C & 620H) and the *C-flex*™ & *SuperFlex* (970C and 970H) aspheric IOL's have it all!



Details

The Rayner *C-flex*™ (570C) and aspheric (970C) IOL and The Rayner *Superflex*™ (620H) and aspheric (970H) IOL. *Superflex*™ has all the advantages of *C-flex*™ but with a larger optic and longer overall length, for myopic eyes.

All Rayner IOL's have the following characteristics:

- Patented AVH Technology™ for perfect centration and stability
- Unique Amon-Apple Enhanced Square Edge™ for reduced PCO
- Manufactured from Rayacryl™ hydrophilic acrylic co-polymer for:
 - High biocompatibility
 - Low PCO
 - Optical purity – no vacuoles or glistenings
 - Low Silicone Oil adherence
 - Superb handling characteristics.

The spherical “Aberration-Neutral” *C-flex*™ & *Superflex* (970C and 970H) aspheric IOL's

Offer increased contrast sensitivity, greater functional visual acuity and optimised visual outcomes even under reduced lighting conditions. Increased depth of field compared with designs corrected for corneal spherical aberration, such as negative aberration designs. The Rayner aspheric is also less susceptible to the effects of tilt and decentration compared with negative aberration designs - a benefit which is further enhanced by the incorporation of AVH technology.

Power Availability - *C-flex*™ (570C)

+25.5D to +30.0D in 0.5D increments
+31.0D to +34.0D in 1.0D increments

Power Availability - *Superflex*™ (620H)

-10.0D to +25.0D in 0.5D increments

Power Availability - *C-flex*™ Aspheric (970C)

+23.0D to +29.5D in 0.5D increments
+30.0D to +34.0D in 1.0D increments

Power Availability - *Superflex*™ Aspheric (970H)

-10.0D to +22.5D in 0.5D increments

The *C-flex*™ and *Superflex*™ single-use, disposable injector. Syringe-shaped plastic injector with round nozzle. Sub 3.0 mm incision size. Convenience. Safety.

***C-flex*™:** Optic Diameter of 5.75 mm and Overall Length of 12.00 mm

Estimated SRKT A-Constant (ultrasonic) 118.0 (optical) 119.0 (optical)

Theoretical ACD 4.97

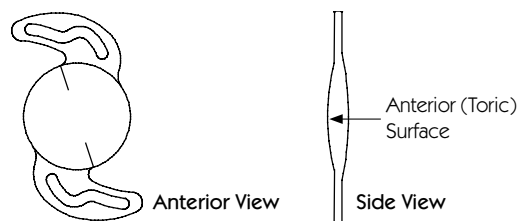
***Superflex*™:** Optic Diameter of 6.25 mm and Overall Length of 12.50 mm

Estimated SRKT A-Constant (ultrasonic) 119.0 (optical)

Theoretical ACD 4.97



Rayner T-flex Toric Intraocular Lens



T-flex Toric Lens - restricted range available off the self.

Details

Rayner T-flex™ Toric IOLs (573T and 623T) are a superior alternative to toric IOLs with a restricted range of torus and a precise alternative to incisional correction of corneal astigmatism.

By incorporating a torus (cylindrical correction) on the anterior optical surface, T-flex™ Toric IOLs provide a superior, reliable alternative to incisional keratotomy and Limbal Relaxing Incisions (LRIs) for the treatment of pre-existing corneal astigmatism. T-flex™ Toric IOLs are particularly useful for those cataract patients where incisional methods would provide inadequate astigmatic correction. The choice of a T-flex™ Toric IOL leads to more precise surgical results, especially for cases of severe astigmatism: patients with a history of corneal pathology, keratoconus with penetrating keratoplasty (corneal grafts) and patients with burns and corneal scarring.

Unlike plate-haptic and multipiece toric IOLs, T-flex™ Toric IOLs have inherent rotational stability. Superb visual outcomes are achieved because of the dependable absence of rotation in lenses designed with Rayner's patented AVH Technology™. T-flex™ IOLs are also available in a far greater range of cylinder and sphere combinations than some other toric IOLs, which are made with only a limited range of cylindrical additions; such lenses with a 2.0D or 3.5D torus are designed solely for those cataract patients with small, regular, pre-existing astigmatism. T-flex™ Toric IOLs correct much higher astigmatism.

Rayner T-flex™ IOLs are currently manufactured as either model 573T or model 623T (having a 5.75mm optic or a 6.25mm optic respectively).

The model selection is made automatically by Rayner so that the largest possible diameter optic is supplied for any particular sphere / cylinder / lens injector nozzle combination.

Model 623T is designed for low and medium power lenses and model 573T is designed for higher power lenses. In addition to an excellent toric correction, T-flex™ Toric IOLs offer all the additional advantages of C-flex™ and Superflex™.

Patented AVH Technology™ for perfect centration, anterior / posterior and torsional stability

Exceptional rotational stability

Accurate, predictable and sustainable visual outcome with superior astigmatic correction

Unique Amon-Apple Enhanced Square Edge™ for reduced PCO

Manufactured from Rayacryl™ hydrophilic acrylic co-polymer:

- High biocompatibility
- Low PCO
- Optical purity – no vacuoles or glistenings
- Low Silicone Oil adherence
- Superb handling characteristics.
- Good range of spherical and cylindrical correction available.

Physical parameters

Optic Body Diameter: 573T: 5.75mm 623T: 6.25mm

Overall Length: 573T: 12.00mm 623T: 12.50mm

Estimated SRK A-Constant: 118.0

Theoretical ACD: 4.97mm

Power Availability

Standard Power Range

Spheres: +6.0D to +26.0D in 0.5D increments - Cylinders: +1.0D to +6.0D in 1.0D increments

Alternative Toric powers also available within the range:

Spheres: -5D to (sphere + cylinder = +35.0D maximum) in 0.5D increments

Cylinders: +1D to +11D in 0.25D increments.

Note: Spherical equivalent power is defined as Sphere + (0.5 x Cylinder)

Variations of the Morcher Aniridia IOL

Advantages

By implanting an aniridia IOL, a controlled amount of light enters the eye.

With product diversity, custom-made designs are available in a standard dioptrre range, Morcher provide the most comprehensive range for aniridia treatment available. All Morcher Aniridia IOLs require pre-registration with TGA before implantation.

Contact us for an IPU form.



Coloured iris range - please contact your local branch.



Morcher Type	Description	Qty / Box
	Aniridia Implants	
67B	3mm Pupil, Incision >10mm, Ø = 13mm, Angulation 0°	1
68	4.5mm Pupil, Incision >10mm, Ø = 13.5mm, Angulation 0° Standard IOL with 4.5mm optic	1
67F	5mm Pupil, Incision >10mm, Ø = 13.5mm, Angulation 0° Standard IOL with 5mm optic and larger Ø for myopic eyes	1
67G	5mm Pupil, Incision >10mm, Ø = 12.5mm, Angulation 0° Most frequently used aniridia implant	1
67L	5mm Pupil, Incision >10mm, Ø = 13.5mm, Angulation 0° Special IOL with an opening in diaphragm (1.5 to 3.0mm)	1
94A	6.5mm Pupil, Incision >10mm, Ø = 13mm, Angulation 0° Special IOL without optical function, only as diaphragm	1
	Partial Aniridia IOL	
67	3.5mm Pupil, Incision >7mm, Ø = 12.5mm, Angulation 10° Special IOL with 3.5mm optic for partial aniridia	1
67D	3.5mm Pupil, Incision >7mm, Ø = 13.5mm, Angulation 5° Special IOL with 3.5mm optic and scleral fixation for partial aniridia	1
67A	3.5mm Pupil, Incision >7mm, Ø = 14mm, Angulation 10° Special IOL with 3.5mm optic and larger Ø myopic eyes for partial aniridia	1
68C	3.5mm Pupil, Incision >8mm, Ø = 14mm, Angulation 5° Special IOL with 3.5mm optic and scleral fixation for partial aniridia	1
67E	4mm Pupil, Incision >8mm, Ø = 13.5mm, Angulation 5° Special IOL with 8mm diaphragm and scleral fixation for partial aniridia	1
94	4mm Pupil, Incision >8mm, Ø = 13.5mm, Angulation 10° Special IOL with 8mm diaphragm	1
94C	4mm Pupil, Incision >8mm, Ø = 13.5mm, Angulation 10° Special IOL with 8mm diaphragm and scleral fixation for partial aniridia	1
50C	Aniridia ring, 6mm Pupil, Incision >2mm *Two needed for 360° coverage	1
96F	Partial Aniridia ring, Aperture 90° Incision >3.5mm	1
96L	Sulcus Aniridia ring, Aperture 180° Incision >3.5mm	1

Morcher Range of Capsular Tension Rings

Advantages of the Morcher CTR

A necessity to have available for modern cataract surgery, Morcher CTR's are manufactured from one-piece PMMA and stabilise the capsule in the case of damaged or missing zonules. Easily implantable with all available injector systems or forceps and now with the new **PRE-LOADED SYSTEM** on a **DISPOSABLE INJECTOR**, Morcher offer the most comprehensive range for capsular bag stabilization.



Full range of Cionni rings also available - Type 1L and 2L

Morcher Type	Description	Qty / Box
	Standard Type 14 CTR's	
14	10mm Diameter	1
14C	11mm Diameter	1
14A	12mm Diameter	1
	Type 13 with bent eyelet for easy insertion	
13	10mm Diameter	1
13A	11mm Diameter	1
13B	12mm Diameter	1
	Standard Type 14 CTR's Pre-loaded on disposable injector	
14R	10mm Diameter Pre-loaded Right - insertion clockwise	1
14L	10mm Diameter Pre-loaded Left - insertion anti-clockwise	1
14CR	11mm Diameter Pre-loaded Right - insertion clockwise	1
14CL	11mm Diameter Pre-loaded Left - insertion anti-clockwise	1
14AR	12mm Diameter Pre-loaded Right - insertion clockwise	1
14AL	12mm Diameter Pre-loaded Left - insertion anti-clockwise	1
	Duckworth & Kent CTR Injection System	
7-810	Injector to insert the capsular tension ring. Bayonet fitting allows easy separation of main body and centre rod. Overall length without cartridge 135.0mm	1