



M-flex[®] Multifocal IOLs

HYDROPHILIC ACRYLIC INJECTABLE IOLS WITH AMON-APPLE ENHANCED SQUARE EDGE

Rayner[®] M-flex[®] Multifocal IOLs (630F) provide a degree of pseudoaccommodation, lessening the need for additional correction by spectacles or contact lenses.

Rayner[®] M-flex[®] Multifocal IOLs are based on a multi-zoned refractive aspheric optic technology, with either 4 or 5 annular zones (depending on IOL base power) providing +3.0D or +4.0D of additional refractive power at the IOL plane (equivalent to +2.25D or +3.0D at the spectacle plane). The power additions have been carefully selected for optimum performance with reduced incidence of halo or glare.

Unlike diffractive IOLs, which are associated with a significant loss of light transmission (typically 18 - 20%) resulting in a corresponding reduction in contrast sensitivity, M-flex[®] IOLs are associated with superior visual outcomes.

With M-flex[®], the Amon-Apple Enhanced Square Edge is implemented just on the posterior surface of the optic.

In addition to multifocality, Rayner[®] M-flex[®] Multifocal IOLs offer all the additional advantages of C-flex and Superflex[®]

- Rayner[®] M-flex[®] Multifocal IOLs are the ONLY multifocal IOLs having the benefit of patented AVH Technology[®] for perfect centration, with anterior / posterior, torsional and rotational 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.
- Larger optic diameter (6.25mm) and longer overall length (12.50mm) available
 - Anatomically correct for the larger myopic eye
 - Better visualisation of the retina for the VR patient
 - Provides for a more satisfactory visual outcome in the younger patient with more active pupils
 - Low glare characteristics for better night vision*

Power Availability

630F [6.25 / 12.50mm] (+3.0D Far dominant)
+14.0D to +25.0D in 0.5D increments

630F [6.25 / 12.50mm] (+4.0D Far Dominant)
+10.0D to + 25.0D in 0.5D increments

580F [5.75 / 12.00mm] (+4.0D Far Dominant)
+25.5D to +30.0D in 0.5D increments

**Optic Diameter of 6.25mm and Overall Length of 12.50mm (630F) and
Optic Diameter of 5.75mm and Overall Length of 12.00mm (580F)**

Estimated SRK/T A-Constant 118.6

Theoretical ACD 4.97mm

Presentation

Rayner® M-flex® hydrophilic acrylic injectable 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 M-flex® injectable IOL
- One Rayner® Single Use Soft-Tipped Injector

Please contact Customer Services at Rayner Intraocular Lenses Limited, or your local distributor for further information and order form.

*Data on file with Rayner Intraocular Lenses Limited



Rayner Intraocular Lenses Ltd, Sackville Road, Hove, East Sussex, BN3 7AN, England
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Note: M-flex® IOLs are not yet approved for sale in the US and Canada.
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M-flex® T Multifocal Toric IOLs

HYDROPHILIC ACRYLIC INJECTABLE IOLS WITH AMON-APPLE ENHANCED SQUARE EDGE

Standard multifocal IOLs are often contraindicated for patients with $>1.5D$ of corneal astigmatism. With Rayner® M-flex® T Multifocal Toric IOLs, the combination of multifocal *and* toric optical components allows the potential benefit of reduced spectacle dependence to be extended to patients with significant corneal astigmatism.

Rayner® M-flex® Multifocal IOLs are based on a multi-zoned refractive aspheric optic technology, with either 4 or 5 annular zones (depending on IOL base power) providing +3.0D or +4.0D of additional refractive power at the IOL plane (equivalent to +2.25D or +3.0D at the spectacle plane). M-flex® IOLs are noted for their excellent multifocal correction with a marked absence of halos and glare. Furthermore, unlike diffractive IOLs, which are associated with a significant loss of light transmission (typically 18 - 20%) resulting in a corresponding reduction in contrast sensitivity, M-flex® IOLs are associated with superior visual outcomes.

Rayner® T-flex® Toric IOLs are designed to offer a precise, superior alternative to incisional methods for the treatment of pre-existing corneal astigmatism. Unlike plate-haptic and multi-piece toric IOLs, T-flex® IOLs have an inherent rotational stability. Superb visual outcomes are achieved because of the dependable absence of rotation in lenses designed with Rayner's patented AVH Technology®.

Rayner® M-flex® T Multifocal Toric IOLs combine the separate optical features of the parent models, M-flex® and T-flex®, to provide a superior multifocal outcome with an accurate, predictable and sustainable toric correction.

In addition to an excellent multifocal toric correction, M-flex® T Multifocal Toric IOLs offer all the additional advantages of IOLs in the Rayner® injectable IOL range.

- Patented AVH Technology® for perfect centration, anterior / posterior and torsional stability
- Exceptional rotational stability
- 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 powers available.

Physical parameters

	588F for base powers >25.0D	638F for base powers = <25.0D
Optic Body Diameter	5.75mm	6.25mm
Overall Length	12.00mm	12.50mm
Estimated SRK/T A-Constant	118.6	118.6
Theoretical ACD	4.97mm	4.97mm

Rayner® M-flex® T IOLs are currently manufactured as either model 588F or model 638F 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 / injector nozzle combination.

Model 638F is designed for low and medium power lenses and model 588F is designed for higher power lenses.

Power availability

	Far dominant 588F [5.75/12.0mm] (+3.0D & +4.0D) 638F [6.25/12.5mm] (+3.0D & +4.0D)
Standard Power Range	
Spherical equivalent	+14.0D to +32.0D in 0.5D increments
Cylinder	2.0D
Addition	+3.0D or +4.0D
Non-standard Power Range	
Spherical equivalent	+14.0D to +32.0D in 0.5D increments
Cylinder	+1.0D to +1.5D and +2.5D to +6.0D in 0.5D increments
Addition	+3.0D or +4.0D

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

Presentation

Rayner® M-flex® T hydrophilic acrylic injectable Multifocal Toric 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 M-flex® T injectable IOL
- One Rayner® Single Use Soft-Tipped Injector.

Please contact Customer Services at Rayner Intraocular Lenses Limited, or your local distributor for further information and order form.



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