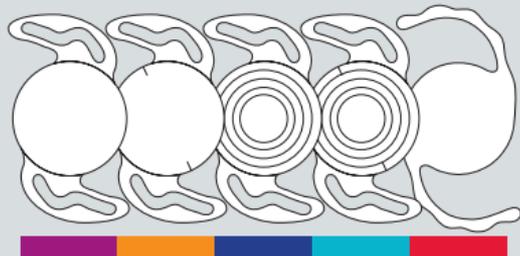


Technical Guide

Primary and Supplementary IOLs





Monofocal
C-flex[®] Aspheric, *Superflex*[®] Aspheric,
C-flex[®], *Superflex*[®]



Toric
T-flex[®] Aspheric



Multifocal
M-flex[®]



Multifocal Toric
M-flex[®] T



All Rayner IOLs are delivered in a unique system pack comprising a single-use injector and an IOL.

- Convenient
- Reduced administration

Not all Rayner products are approved for sale in every country. Please contact your local Rayner distributor for details of which products are available in your area.

Rayner's Anti-Vaulting Haptic (AVH) Technology®

Proven rotational and centration stability, and excellent fixation in the capsular bag.

Optically pure, high quality material

- Compressible material for delivery through a small incision.
- Excellent handling characteristics with controlled unfolding within the capsular bag.
- Free from vacuoles and glistenings.



Low rates of posterior capsule opacification (PCO)

360° Enhanced Square Edge creates a physical barrier to prevent epithelial cell migration.

ND:YAG capsulotomy rate study of 3,461 patients receiving Rayner C-flex®

- At 12 months, 0.6%
- At 24 months, 1.7% ⁽¹⁾

Optimal visual quality in all lighting conditions

- Excellent contrast sensitivity and retained depth of field from aberration-neutral aspheric optic.
- Available in two optic sizes.

Primary Platform

	Model Name	Model Number	Power Range	Increments	Addition	Optic Diameter	Overall Length	Estimated SRK-T A-constant for non-contact biometry*
	C-flex® Aspheric	970C	+8.0 to +29.5 D +30.0 to +34.0 D	0.5 D 1.0 D		5.75mm	12.00mm	118.6
	Superflex® Aspheric	920H	-10.0 to -1.0 D +1.0 to +22.0 D	0.5 D 0.5 D		6.25mm	12.50mm	118.6
	C-flex®	570C	+8.0 to +29.5 D +30.0 to +34.0 D	0.5 D 1.0 D		5.75mm	12.00mm	118.6
	Superflex®	620H	-10.0 to -1.0 D +1.0 to +25.0 D	0.5 D 0.5 D		6.25mm	12.50mm	118.6

*Please note that the A-constant indicated for all Rayner lenses are estimates and are for guidance purposes only. Surgeons must always expect to personalise their own A-constants based on initial patient outcomes, with further personalisation as the number of eyes increases. We strongly recommend that surgeons consult the ULIB website (www.augenklinik.uni-wuerzburg.de/eulib/const/htm) for the most up to date and accurate starting point estimate.



Monofocal

	Model Name	Model Number	Power Range	Increments	Addition	Optic Diameter	Overall Length	Estimated SRK-T A-constant for non-contact biometry*
	T-flex® Aspheric	573T/623T Standard Power Range	Spheres +6.0 to +30.0 D	0.5 D		5.75mm/ 6.25mm	12.00mm/ 12.50mm	118.9
			Cylinders +1.0 to +6.0 D	0.5 D				
		573T/623T Made to Order Power Range	Spheres -10.0 to +35.0 D (subject to spherical equivalent)	0.5 D		5.75mm/ 6.25mm	12.00mm/ 12.50mm	
			Cylinders +1.0 to +11.0 D	0.5 D				

*Please note that the A-constant indicated for all Rayner lenses are estimates and are for guidance purposes only. Surgeons must always expect to personalise their own A-constants based on initial patient outcomes, with further personalisation as the number of eyes increases. We strongly recommend that surgeons consult the ULIB website (www.augenklinik.uni-wuerzburg.de/eulib/const/htm) for the most up to date and accurate starting point estimate.



Toric

	Model Name	Model Number	Power Range	Increments	Addition	Optic Diameter	Overall Length	Estimated SRK-T A-constant for non-contact biometry*
	M-flex®	630F	+14.0 to +25.0 D	0.5 D	+3.0 D add far dominant	6.25mm	12.50mm	118.6
		630F	+10.0 to +25.0 D	0.5 D	+4.0 D add far dominant	6.25mm	12.50mm	118.6
		580F	+25.5 to +30.0 D	0.5 D	+3.0 D add far dominant	5.75mm	12.00mm	118.6
		580F	+25.5 to +30.0 D	0.5 D	+4.0 D add far dominant	5.75mm	12.00mm	118.6

*Please note that the A-constant indicated for all Rayner lenses are estimates and are for guidance purposes only. Surgeons must always expect to personalise their own A-constants based on initial patient outcomes, with further personalisation as the number of eyes increases. We strongly recommend that surgeons consult the ULIB website (www.augenklinik.uni-wuerzburg.de/eulib/const/htm) for the most up to date and accurate starting point estimate.



Multifocal

	Model Name	Model Number	Power Range	Increments	Addition	Optic Diameter	Overall Length	Estimated SRK-T A-constant for non-contact biometry*
	M-flex® T	588F/638F Standard Power Range	Spherical Equivalent +14.0 to +32.0 D	0.5 D	+3.0 D or +4.0 D add far dominant	5.75mm/ 6.25mm	12.00mm/ 12.50mm	118.6
			Cylinders +1.0 D, +2.0 D, +3.0 D, +4.0 D					
		588F/638F Made to Order Power Range	Spherical Equivalent +14.0 to +32.0 D	0.5 D	+3.0 D or +4.0 D add far dominant	5.75mm/ 6.25mm	12.00mm/ 12.50mm	118.6
			Cylinders +1.0 to +6.0 D	0.5 D				

*Please note that the A-constant indicated for all Rayner lenses are estimates and are for guidance purposes only. Surgeons must always expect to personalise their own A-constants based on initial patient outcomes, with further personalisation as the number of eyes increases. We strongly recommend that surgeons consult the ULIB website (www.augenklinik.uni-wuerzburg.de/eulib/const/htm) for the most up to date and accurate starting point estimate.



Multifocal Toric



Monofocal*flex*



Multifocal
Sulcoflex[®] Multifocal



Toric
Sulcoflex[®] Toric



Multifocal Toric
Sulcoflex[®] Multifocal Toric



Pseudophakic Indications for Sulcoflex[®]

- Residual refractive error
- Residual presbyopia
- Residual pseudophakic corneal astigmatism
- Extreme myopia or hyperopia

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Enlarged optic diameter of 6.5mm reduces risk of pupillary block and photic effects

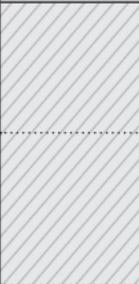
10° haptic angulation to avoid contact with the iris



Rayacryl® hydrophilic acrylic material for high uveal biocompatibility and optical purity

Convex/concave optic to avoid contact with the primary IOL

Supplementary Platform

	Model Name	Model Number	Power Range	Increments	Addition	Optic Diameter	Overall Length	Haptic Angulation	Optic configuration
	Sulcoflex® Aspheric	653L Standard Power Range	-5.0 to -0.5 D +0.5 to +5.0 D	0.5 D 0.5 D		6.50mm	14.00mm	10°	Anterior convex, posterior concave
		653L Made to Order Power Range	-10.0 to -5.5 D +5.5 to +10.0 D	0.5 D 0.5 D		6.50mm	14.00mm	10°	Anterior convex, posterior concave
	Sulcoflex® Multifocal	653F Standard Power Range	- 3.0 to +3.0 D	0.5 D	+3.5 D add far dominant	6.50mm	14.00mm	10°	Anterior convex, posterior concave
		653F Made to Order Power Range	-7.0 to -3.5 D +3.5 to +7.0 D	0.5 D 0.5 D	+3.5 D add far dominant	6.50mm	14.00mm	10°	Anterior convex, posterior concave



Supplementary

	Model Name	Model Number	Power Range	Increments	Addition	Optic Diameter	Overall Length	Haptic Angulation	Optic configuration	
	Sulcoflex® Toric	653T Standard Power Range	Spherical Equivalent -3.0 to +3.0 D	0.5 D		6.50mm	14.00mm	10°	Anterior convex, posterior concave	
			Cylinders +1.0 D, +2.0 D, +3.0 D							
	Sulcoflex® Multifocal Toric	653T Made to Order Power Range	Spherical Equivalent -7.0 to +7.0 D	0.5 D		6.50mm	14.00mm	10°	Anterior convex, posterior concave	
			Cylinders +1.0 to +6.0 D	0.5 D						
		653Z Standard Power Range	Spherical Equivalent -3.0 to +3.0 D	0.5 D		+3.5 D add far dominant	6.50mm	14.00mm	10°	Anterior convex, posterior concave
			Cylinders +1.0 D, +2.0 D, +3.0 D							
653Z Made to Order Power Range	Spherical Equivalent -7.0 to +7.0 D	0.5 D	+3.5 D add far dominant	6.50mm	14.00mm	10°	Anterior convex, posterior concave			
	Cylinders +1.0 to +6.0 D	0.5 D								



Supplementary



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References

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