

RayOne® Toric Technical Information



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Model Name:	RayOne® Toric	
Model Number:	RAO610T	
Power Range (standard):	Spherical Equivalent (SE)	+8.0 to +30.0 D (increments 0.5 D)
	Cylinder Powers	+1.0 D to +6.0 D (increments 0.5 D)
Power Range (Made to Order):	Spherical Equivalent (SE)	-9.5 to +34.5 D (increments 0.5 D) (subject to sphere power)
	Cylinder Powers	+1.0 D to +11.0 D (increments 0.5 D)

Delivery System	
Injector Type:	Single use, fully preloaded IOL injection system
Nozzle Size:	1.65 mm
Bevel Angle:	45°
Lens Delivery:	Single handed plunger

Toric Monofocal IOL	
Material:	Single piece Rayacryl® hydrophilic acrylic
Water Content:	26% in equilibrium
UV Protection:	Benzophenone UV absorbing agent
UV Light Transmission:	UV 10% cut-off is 380 nm
Refractive Index:	1.46
Overall Diameter:	12.50 mm
Optic Diameter:	6.00 mm
Optic Shape:	Biconvex (positive powers), Convex/Concave posterior surface (negative powers)
Asphericity:	Posterior aspheric surface with aberration-neutral technology
Optic Edge Design:	Amon-Apple 360° enhanced square edge
Haptic Angulation:	0°, uniplanar
Haptic style:	Closed loop with anti-vaulting haptic (AVH) technology

Estimated Constants for Optical Biometry					
SRK/T	Haigis			HofferQ	Holladay
A-constant	a0	a1	a2	pACD	SF
118.6	1.17	0.40	0.10	5.32	1.56

For Contact Ultrasound, the estimated A-constant is 118.0

Please note that the constants indicated for all Rayner lenses are estimates and are for guidance purposes only. Surgeons must always expect to personalise their own constants based on initial patient outcomes, with further personalisation as the number of eyes increases.

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