

# RayOne<sup>®</sup> Aspheric Technical Information



# RayOne® Aspheric Technical Information

Model Name:	RayOne® Aspheric
Model Number:	RAO600C
Power Range:	-10.0 D to +7.0 D (1.0 D increments, inc. plano) +8.0 D to +30.0 D (0.5 D increments) +31.0 D to +34.0 D (1.0 D increments)
Delivery System Type:	Fully preloaded IOL injection system
Incision Size:	Sub 2.2 mm

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

Aspheric 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), Biconcave (negative powers)
Asphericity:	Anterior 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.

Discover why RayOne® is in a class of its own visit [rayner.com/rayone](http://rayner.com/rayone)



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