

ComfortToric

with **Adtec lock[®]**
haptic

Easy Solution for Presbyopia & Astigmatism



COMFORT TORIC - An extended depth of focus lens
with most reliable correction of astigmatism.

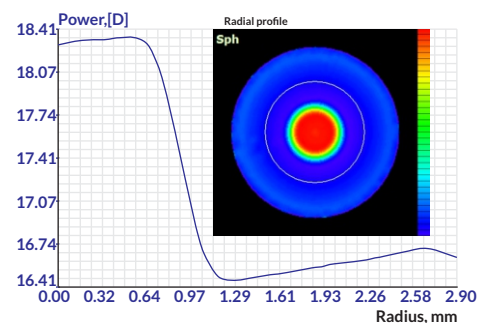
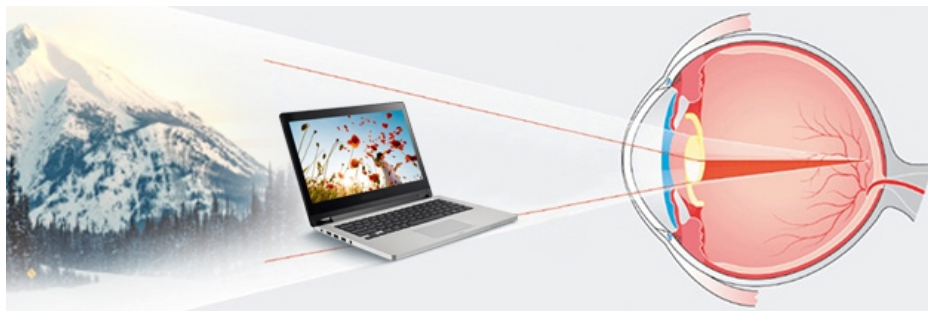
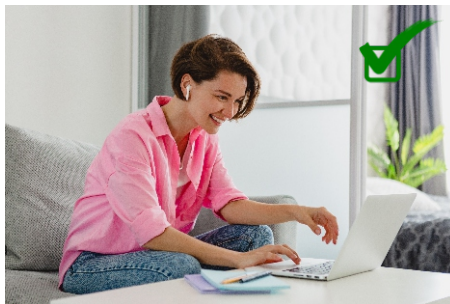
ComfortToric

THE EASY SOLUTION FOR PRESBYOPIA AND ASTIGMATISM

with **Adtec lock haptic**®

Natural Increased Range of Vision

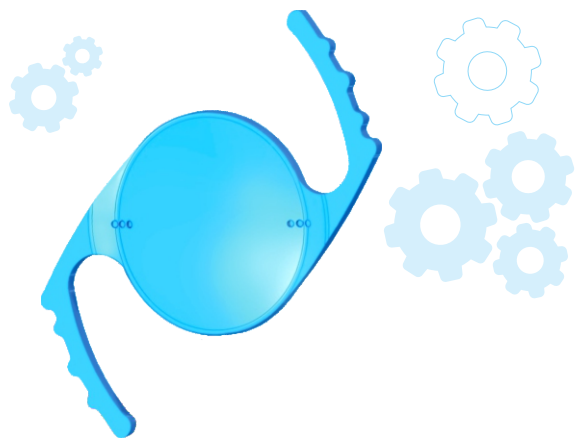
Comfort Toric provides excellent distance vision with enhanced intermediate vision. This lens is designed for cataract patients who want greater spectacles independence in everyday situations.



Treat Astigmatism with accuracy, consistency and stability

Comfort Toric is manufactured on nanoform mechanics for accurate spherical and cylindrical power with the perfect axis.

Our unique Adtec lock haptic design® ensures auto-centring of the lens and stability in the capsular bag. It addresses the major issue of lens post-op rotation. This unique design gives supreme rotational stability ensuring predictable outcomes.



ComfortToric

MODEL	MATERIAL	TECHNOLOGY	OPTIC SIZE	LENGTH	A-CONSTANT		ABBE NUMBER	REFRACTIVE INDEX WET	SP. POWER	CYL. POWER
					SRKT - OP	SRKT - US				
AOS 47 T	CLEAR, HYBRID	DOUBLE ASPHERIC, GLISTERING FREE	6.00 mm	13.00 mm	118.5	118.2	57	1.465	+ 10.00 to 25.00 (0.50 D increments)	1.00 to 7.00 (0.50 D increments)

ComfortToric (TEDOF)

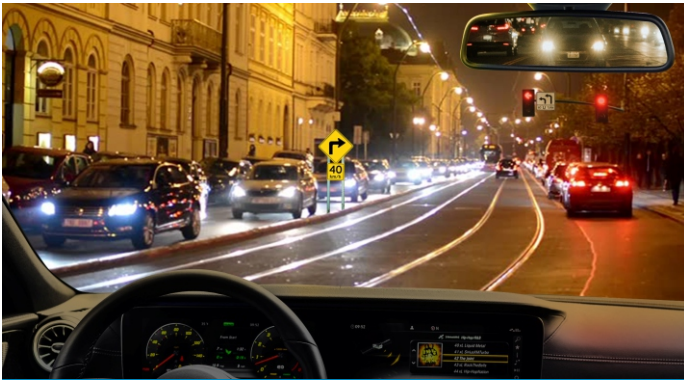
Glistening free IOLs- Optimally Pre-hydrated



With the increase in glistening density, the light scattering increases and MTF decreases. Comfort Toric is optimally pre-hydrated IOLs through equilibrium water content that stabilizes the lens, once implanted in the eye, against temperature and environmental changes.

The mean value of Comfort Toric using miyate scales is zero, which exhibits high resistance to microvacuole formation.

Best solution for Dysphotopsia: No glare or halos, no optical side effect.



ComfortToric (T-EDOF)



Traditional IOL

Comfort Toric is designed with advanced applied optical engineering with virtually no step or diffractive rings to minimize Dysphotopsia, including its variants like Halo, glare, and starburst due to scattered light.

Comfort Toric also includes an advanced square edge that prevents Dysphotopsia caused by undesired light streaks, arcs, and flashes that emanate from the source of oblique incident light.

Double Aspheric IOLs : Thinner with less distortions



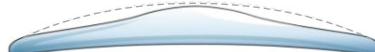
Comfort Toric has an excellent aspheric surface on both anterior and posterior sides. The double aspherical design uses two independent aspherical surfaces and provides sharp and comfortable vision even on the edges of the lenses.

Double aspherical lenses are proved to offer the highest visual comfort and smallest image distortion, even at higher spherical and cylindrical powers.

SPHERIC



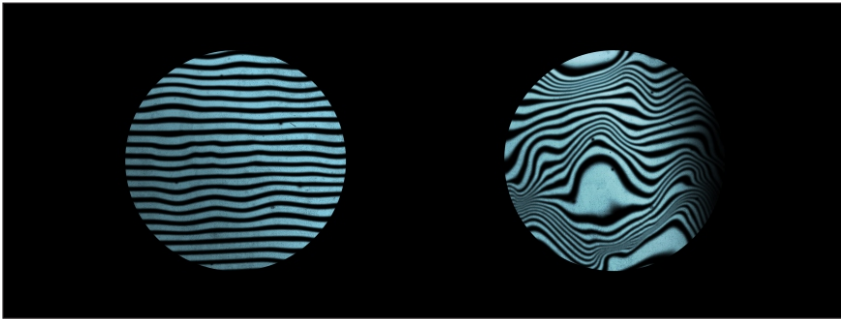
ASPHERIC



DOUBLE ASPHERIC



Zero aberration polish free lens surface



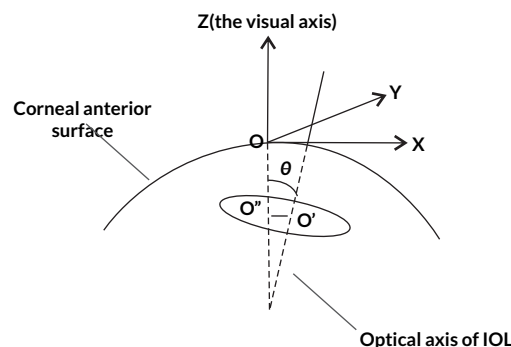
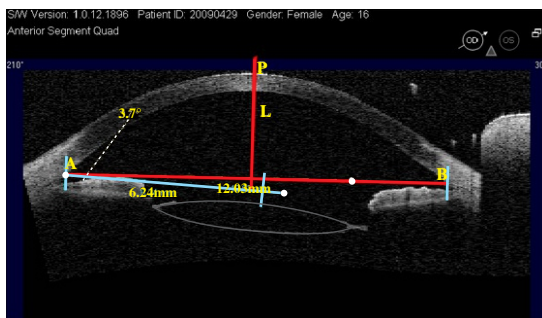
Comfort Toric is manufactured by using high precision machines by Sterling with a cutting accuracy of 0.0001 microns which ensures zero aberration polish-free surfaces. Comfort Toric provides blur-free sharp image quality. These lenses enhance contrast sensitivity along with high resolution and high definition optics.

Aberration free IOLs- Advanced optical performance, independent of patient profile

Spherical Aberration		
S.A.>0 "Undercorrected"	S.A.=0 "Aberration-Free"	S.A.<0 "Overcorrected"
Typical Cornea Standard IOL	Advanced Adtec Standard IOL	Other IOL

In order to improve retinal image quality without compromising the depth of the field or introducing other aberrations, AO Sciences introduced aberration-free aspheric IOL for better tolerance on slight post-op tilts and decentration.

Comfort Toric does not introduce spherical or other aberration with decentration, but it provides better optical performance over a wider range of situations of aberration.



Modulation Transfer Function- Best Contrast

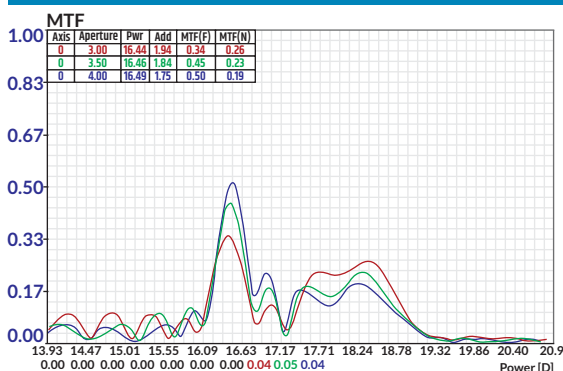


Image quality is of utmost importance for a patient's satisfaction. Modulation transfer function relates with contrast sensitivity of lens system. The M.T.F. curves of Comfort Toric do not support precipitous drop between peaks, and therefore, demonstrate better performance at the focal lengths. Comfort Toric provides better contrast sensitivity in both photopic and mesopic conditions.



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