

Starting to use the AcrySof® IQ Toric IOL (SN6ATT) QUICK GUIDE

WHY AcrySof® IQ TORIC IOL?

- The AcrySof® IQ Toric IOL is designed for precise astigmatism correction and maximum rotational stability.
- The AcrySof® IQ Toric IOL offers an enhanced aspheric optic that is designed to improve functional vision and increase contrast sensitivity in astigmatism patients.
- The AcrySof® Toric IOL Calculator is an easy-to-use, highly accurate tool that helps surgeons to select the appropriate IOL model and provides recommended axis placement of the IOL in the capsular bag.
- Surgeons can use their customary technique for cataract removal and lens implantation. Of primary importance is the need to ensure that the AcrySof® IQ Toric IOL is precisely aligned in the bag according to the axis recommended by the calculator.

CYLINDER POWER OPTIONS

Lens Model	SN6AT3	SN6AT4	SN6AT5
Cylinder Power			
IOL Plane	1.50 D	2.25 D	3.00 D
Corneal Plane*	1.03 D	1.55 D	2.06 D
Recommended Corneal Astigmatism Correction Range	0.75-1.50 D	1.50-2.00 D	2.00 D and up

*Based on average pseudophakic human eye.

Additional power options will be added in the future to address a broader range of astigmatic conditions.

PATIENT SELECTION CRITERIA¹

- Preoperative regular astigmatism
- CCC possible
- Intact capsular bag
- Precautions in patients with pre-existing ocular disease conditions
- Careful consideration in the cases of those with prior corneal refractive surgery
- As with any other surgery, some risks are involved, and surgeons should use their judgment to minimize complications and to determine whether patients with pre-existing ocular disease conditions qualify for the procedure.
- Special consideration needs to be given to patients with prior refractive surgery, such as LASIK.

ACRY*Sof*® IQ
TORIC
ASTIGMATISM IOL

Precisely where you need to be.

AcrySof® TORIC IOL CALCULATOR

www.acrysoftoriccalculator.com

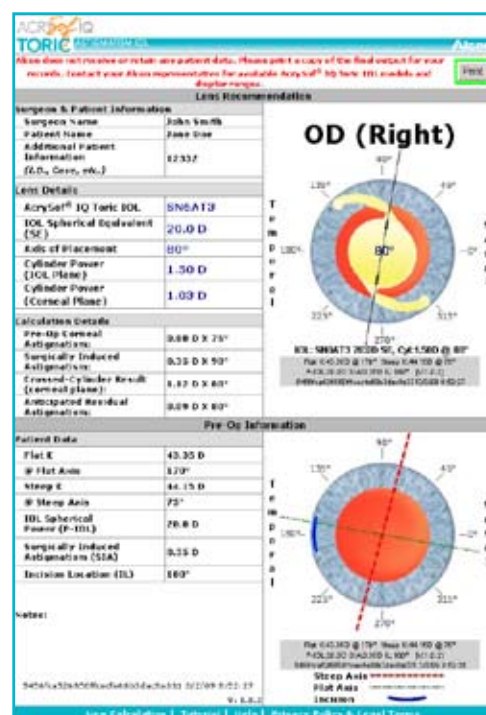
The calculator requires specific patient data to be input, including preoperative keratometry, biometry results, incision location and the surgeon's estimated surgically induced astigmatism. It then automatically calculates and displays key information to assist the surgeon in determining the needs of the procedure, such as the appropriate AcrySof® IQ Toric IOL model, spherical equivalent lens power and axis alignment of the IOL in the eye.

AcrySof® Toric Calculator Variables

- Steep K reading
- Steep K meridian/axis
- Flat K reading
- Flat K meridian/axis
- IOL spherical power
- Surgically induced astigmatism
- Incision location

The variables to be entered into the program by the surgeon fall into two categories:

1. Those that are measured by keratometry or calculated from biometry results, and should be entered as precisely as possible.
 - Keratometry provides a precise measurement of the amount of existing corneal astigmatism.
 - Accurate biometry measurement-either the immersion method or the IOL Master for measuring the axial length-is an important determinant of the spherical equivalent power of the IOL to be used in each patient.
2. Those that are surgeon dependent, i.e. estimated surgically induced astigmatism and incision location. These reflect the physician's preferences and surgical practice, and if desired, can be individualized for each case. The calculator will take this input into account in helping the surgeon determine the appropriate IOL model and recommended axis placement of the lens.



PREOPERATIVE CONSIDERATIONS

- Utilizing the AcrySof® Toric IOL Calculator, the recommended lens to be implanted is selected, and a print-out is taken of the output screen for use in the operating room.
- With the patient in an upright position, two reference marks are placed on the eye at two locations 180 degrees apart, e.g. at the 3 o'clock and 9 o'clock positions.

INTRAOPERATIVE CONSIDERATIONS

1. Use of the Toric Calculator to help determine the recommended AcrySof® IQ Toric IOL model and axis placement.
2. Reference and axis marking of the eye.
3. Precise axis placement of the IOL in the bag.

Before phacoemulsification, using the preoperative marks for reference, the patient's eye is marked accurately at two positions (180 degrees apart) that define the intended axis of IOL placement as recommended by the AcrySof® Toric IOL Calculator. The surgeon must take care that the markings on the posterior surface of the optic are lined up precisely with the axis placement markings, thereby ensuring optimal correction of cylinder error. The calculator is provided for convenience, but should not be used for final diagnosis or as a substitute for medical expertise.

ON-AXIS PLACEMENT STAGES

The process of accurate on-axis placement of the lens in the capsular bag occurs in three stages:

1. **Gross Alignment:** IOL alignment should be made following lens implantation into the bag. While the lens is unfolding in the capsular bag, the surgeon rotates the IOL clockwise to approximately 20 to 30 degrees short of the desired position.
2. **Viscoelastic Removal:** The surgeon should pay special attention to ensure that the IOL does not rotate beyond the intended final axis location.
3. **Final Alignment:** The surgeon manipulates the lens clockwise precisely onto the intended axis of alignment as previously marked. There are several different tools and techniques available for viscoelastic removal and final alignment of the lens, and surgeons should use whatever technique they are most comfortable with.

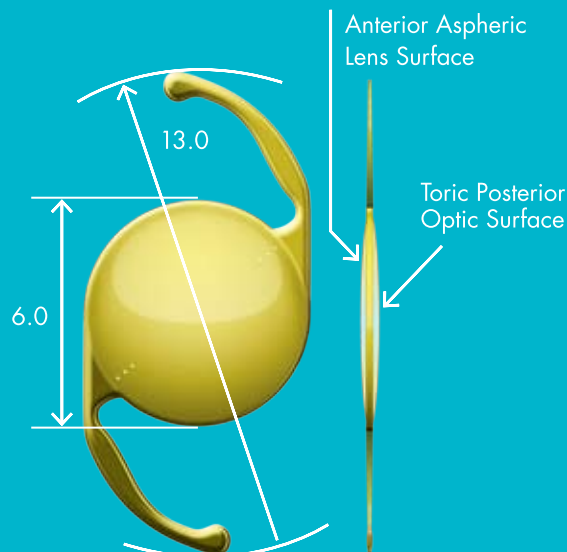
SURGICAL PEARLS AND OTHER RESOURCES

- Use a consistent method for measuring K readings.
- Utilize topography for assistance in identifying corneal irregularities.
- Make reference marks while the patient is in an upright position to avoid the effects of cyclorotation.
- AcrySof® IQ Toric Directions For Use
- www.doctor-hill.com - Customized surgically induced astigmatism
- www.AcrySofIQTORIC.com

SPECIFICATIONS

Model Number	SN6AT3, SN6AT4, SN6AT5
Optic Diameter	6.0 mm
Overall Length	13.0 mm
Optic Type	Biconvex Toric Aspheric Optic
IOL Powers (spherical equivalent diopters)	+6.0 to +30.0 D
IOL Cylinder Powers	1.50 D, 2.25 D, and 3.00 D
Haptic Angulation	0 degrees (planar)
Haptic Configuration	STABLEFORCE® modified L haptic
Suggested A-Constant	119.0 [†]
Refractive Index	1.55
Light Filtration	UV and Blue Light

[†]Provided as a guideline only.



AcrySof® IQ TORIC BRIEF STATEMENT

CAUTION: Federal law restricts this device to sale by or on the order of a physician.

INDICATIONS: AcrySof® IQ Toric IOL Models SN6AT3, SN6AT4, and SN6AT5 Posterior Chamber Intraocular lenses are intended for primary implantation in the capsular bag of the eye for the visual correction of aphakia and pre-existing corneal astigmatism secondary to the removal of a cataractous lens in adult patients with or without presbyopia, who desire improved uncorrected distance vision, reduction of residual refractive cylinder and increased spectacle independence for distance vision.

WARNINGS: Careful preoperative evaluation and sound clinical judgment should be used by the surgeon to decide the risk/benefit ratio before implanting a lens in a patient with any of the conditions described in the Directions for Use labeling. Toric IOLs should not be implanted if the posterior capsule is ruptured, if the zonules are damaged, or if a primary posterior capsulotomy is planned. Rotation can reduce astigmatic correction; if necessary lens repositioning should occur as early as possible prior to lens encapsulation. All viscoelastics should be removed from both the anterior and posterior sides of the lens; residual viscoelastics may allow the lens to rotate. **PRECAUTIONS:** Studies have shown that color vision discrimination is not adversely affected in individuals with the AcrySof® Natural IOL and normal color vision. The effect on vision of the AcrySof® Natural IOL in subjects with hereditary color vision defects and acquired color vision defects secondary to ocular disease (e.g., glaucoma, diabetic retinopathy, chronic uveitis, and other retinal or optic nerve diseases) has not been studied. Do not resterilize; do not store over 45° C; use only sterile irrigating solutions such as BSS® or BSS PLUS® Sterile Intraocular Irrigating Solutions.

ATTENTION: Reference the Directions for Use labeling for a complete listing of indications, warnings and precautions.

1. AcrySof® IQ Toric IOL Directions For Use - The effects of the aspheric design feature have been clinically assessed on AcrySof® IQ IOL model SN60WF

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TORIC
ASTIGMATISM IOL