



Synthesis®Toric

High precision

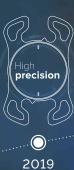
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Synthesis®Toric



The **Synthesis**[®] **Toric** is engineered by a Research and Development team experienced and dedicated to the design and manufacture of high-quality intraocular lenses.

The Synthesis[®] Monofocal, Synthesis[®] \oplus EDOF and Synthesis[®] Toric comprise of a unique family of micro-incision IOLs designed for the health care professional and to make a contribution to patient well-being.

Managing astigmatism is made easier by combining the strengths of: a proven rotational stability IOL platform, a large combination of sphere/cylinder options and the latest intuitive **Synthesis® Toric** online calculator.



- Astigmatism needs to be treated to reduce the dependency on glasses for distance vision.⁽¹⁾
- 78% of the cataract patient population present with corneal astigmatism ≥ 0,5 D.⁽²⁾



TORIC IOLS CAN OFFER AN EFFECTIVE SOLUTION.⁽⁴⁾

THE ADOPTION AND USAGE OF TORIC IOLS REMAIN RELATIVELY LOW DEPENDING ON THE COUNTRY, RANGING FROM (4 to 9%).⁽³⁾

Takes into consideration all sources of astigmatism (5)

Utilises the latest generation online calculator (6)

Offers a large combination of sphere/cylinder

> Minimises surgically induced astig<u>matism</u> (8)

High **precision**

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Ensures rotational stability ^m





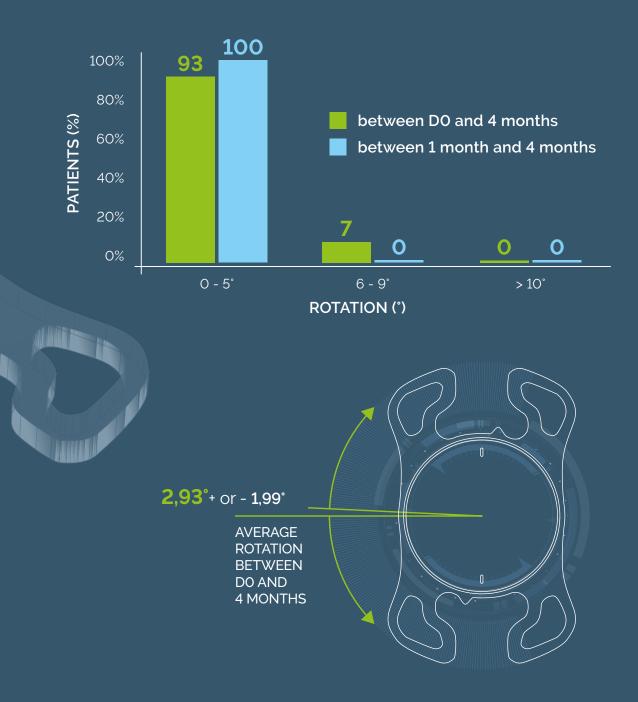
- Takes into account posterior corneal astigmatism.
 - Ignoring posterior corneal astigmatism may lead to the incorrect estimation of the total corneal astigmatism.⁽⁵⁾

Information					
Surgeon's name James	Patient's ID 123456	Date of birth 10.10.1952 67 y.o.	Gender		
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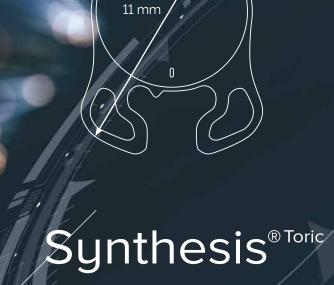
CLINICAL RESULTS ON ROTATIONAL STBILITY

- Primary objective: Synthesis 11 mm platform rotational stability analysis with 4 months follow-up.⁽⁹⁾
- Prospective monocentric clinical study.
- Clinically proven rotational stability:
 93% of patients with less than 5° rotation from surgery day (DO) over a 4 month follow-up period.
 Average rotation of 2.93° at 4 months.





- Sphere from +5,00D to +32,00D
- Cylinder from +0.75D, +1.0D, +1.50D, +2.25D, +3.00D, +3.75D, +4.50D, +5.25D, 6.00D
- MiCS 1,6 mm
- Synthesis[®] Toric can treat corneal astigmatism from 0.50D.



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Overall diameter



- Contraction of the second se	~	Brands	References	Wound- assisted recommended incision	In-the wound recommended incision	In-the-bag recommended incision
Synthesis ^{® Toric}	Preloaded	Medicel Accuject™ PRO 1.6	LP604550P (box of 10)	1.6 mm	1.8 mm	2.0 mm

Class IIa Medical Device - Manufactured by Medicel _ CE 0482 Dornierstrasse 11 - CH-9423 Altenrhein - Switzerland - Distributed by CUTTING EDGE.



Synthesis^{® Toric}



 References
 PRELOADED

 Clear implant
 SIPT

DESIGNATION	SPECIFICATIONS		
Optic diameter	6 mm across the power range		
Total diameter	11 mm across the power range		
Design	4 point-fixation, C-Edge+ ≤ 5 microns		
Optical	Aspheric and toric without aberration		
Angulation	0°, posterior-shift feature		
Dioptric power (Sphere)	1.0D increment between +5.00D to +10.00D 0.5D increment between +10.50D to +30.00D 1.0D increment between +31.00D to +32.00D		
Dioptric power (Cylinder)	0,75D/1,0D/1,5D/2,25D/3,0D/3,75D/4,5D/5,25D/6,0D		
Biometry available on the IOLcon website https://iolcon.org/	Optical biometry: SRK/T: A=118,85 Haigis: a0=1,223 (with a1=0,4 and a2=0,1) Hoffer-Q: pACD=5,46 Holladay 1: SF=1,706		
Incision size	From 1.6 mm		

toriccalc.cutting-edge.fr



Next generation online calculator



MICS for surgically induced astigmatism

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Large combination of Sphere/Cylinder



Clinically proven rotational stability



High precision

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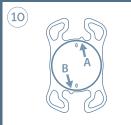
LOADING GUIDE

References	PRELOADED
Synthesis Toric Clear	SIPT

PRELOADED

- 1 Open the container; remove the loading cartridge that contains the IOL from the container by pulling on the armature taking care not to remove the protective clip.
- 2 Insert the loading cartridge into the injector body until it locks into position.
- (3) Carefully rinse the lens with balanced salt solution.
- 4 Through the filling hole, fill the cartridge tunnel with viscoelastic.
- 5 Fill a small amount of visco behind the lens at the rear of the loading chamber.
- 6 Push the plunger until the silicone tip approaches the rear of the loading chamber.
- (7) Carefully remove the clip from the loading chamber:
 - Grab the armature with two fingers while rotating the bottom hinge upwards with the thumb
 - Lift vertically.
- 8 Check that the lens is correctly positioned and close the wings of the loading chamber. When loaded correctly, you will hear a "click" sound.
- 9 Push the plunger to position the implant in the cartridge tunnel. The system is ready for injection.
- (10) Once implanted, the orientation features of the Synthesis[®] Toric's implant must be oriented at the top right (A) and at the bottom left (B).













An innovative family of IOLs



PRELOADED | YELLOW | CLEAR | MONOFOCAL | EDOF | TORIC

CUTTING EDGE

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