

Toric Preloaded IOL

Cylinder Power **T3 to T9**
(1.50 to 6.00 D at IOL Plane)

Toric aspheric 1-piece lens with hydrophobic acrylic material Vivonex™

- Low PCO rate¹
- Long term transparency based on in vitro tests²
- Rotational stability (median rotation 1.54°)
100% of the implanted lenses had $\leq 5^\circ$ rotation from end of surgery to 4 - 6 months postoperatively³

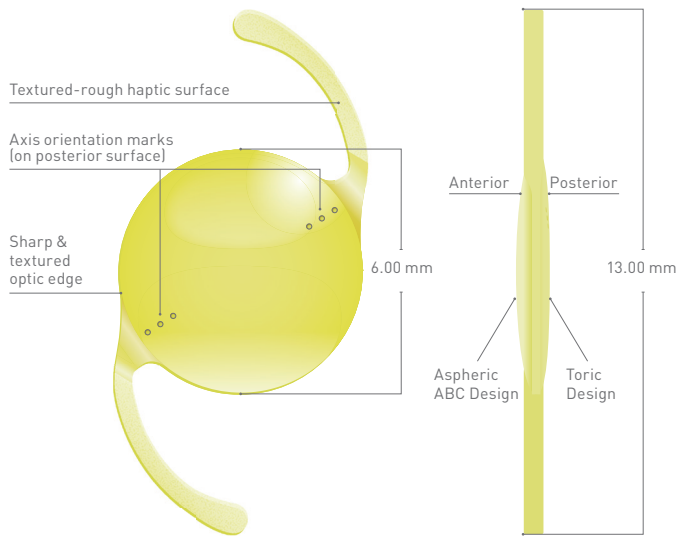
HOYA Online Calculator
www.HOYAtoric.com

iSert®

Model XY1A	Cylinder Power at IOL Plane	Cylinder Power at Corneal Plane ⁴
T3	1.50 D	1.04 D
T4	2.25 D	1.56 D
T5	3.00 D	2.08 D
T6	3.75 D	2.60 D
T7	4.50 D	3.12 D
T8	5.25 D	3.64 D
T9	6.00 D	4.17 D

Vivonex Toric Model XY1A

Preloaded System
Hydrophobic Acrylic IOL

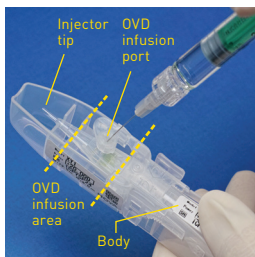


Model Name	Vivonex™ Toric XY1A
Optic Design	Biconvex with sharp textured optic edge Anterior: Aspheric ABC Design Posterior: Toric
Optic & Haptic Materials	Hydrophobic acrylic Vivonex™ with blue light filter
Haptic Design	textured-rough haptic surface
Dimension (Optic/OAL)	6.00 mm/13.00 mm
Power	+10.00 to +30.00 D (in 0.50D increments)
Cylinder Power⁵	1.50 to 6.00 D (T3 to T9) in 0.75 D increments
Nominal A-Constant*	118.9
Optimized Constants**	Haigis a0 = -0.905 a1 = 0.230 a2 = 0.229 Hoffer Q pACD = 5.74 Holladay 1 sf = 1.98 SRK/T A = 119.2 SRK II A = 119.5
Front injector tip outer diameter	1.70 mm
Injector	iSert® preloaded

- 1 Japanese clinical study carried out from 2009 to 2011: internal report
 - 2 Study result of the The David J Apple International Laboratory for Ocular Pathology, University Hospital Heidelberg. Report on file
 - 3 Schartmüller D, Schriefl S, Leydolt C, Menapace R: Rotation of an Intraocular Lens – HOYA Vivonex™ iSert® model P261. Final clinical study report on file. The median absolute IOL rotation of 103 implanted Vivonex lenses from end of surgery to 4 - 6 months postoperatively was $1.54 \pm 1.20^\circ$ [0 to 5.0°]. 102 lenses (99%) rotated less than 5° , 1 IOL (1%) rotated 5° . Submitted for publication
 - 4 Based on an average pseudophakic human eye
 - 5 At IOL Plane
- * The A Constant mentioned above is presented as a guideline only for lens power calculations. It is recommended that the A Constant measurement be customized based on the surgeon's experience and measuring equipment.
- ** Calculated from 531 patient data on file. (as of Dec. 9, 2016)



The handling shown below illustrates in summary the product application and does not replace the Instruction For Use.



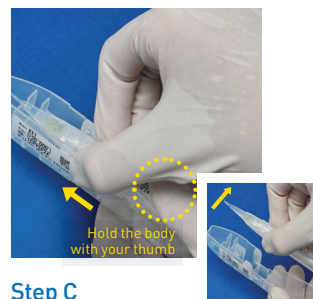
Step A

Infuse the OVD into the injector through the infusion port. Fill up the area indicated by dotted lines.



Step B

Press the release tabs, lift up and remove the cover from the case.



Step C

Hold body with thumb and push the slider slowly forward until it stops. Remove the injector from the case.



Step D

Carefully insert the injector tip into the eye through the incision, keeping the slit of the tip in a downward position. Slowly rotate the injector knob clockwise, to inject the lens into the capsular bag.

Singularly Focused. Globally Powered.™

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