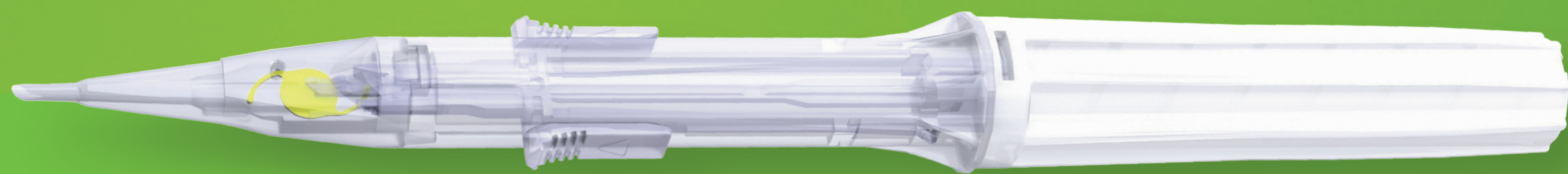




VIVINEX™ TORIC
THE SECURE CHOICE
FOR ASTIGMATISM
CORRECTION

Our monofocal toric IOL – designed to
advance patients' vision



Vivinex™ Toric

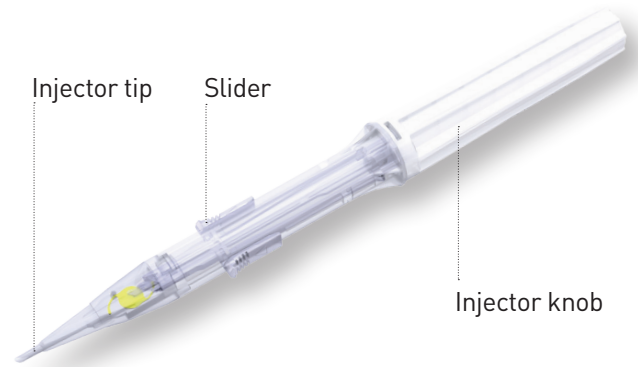
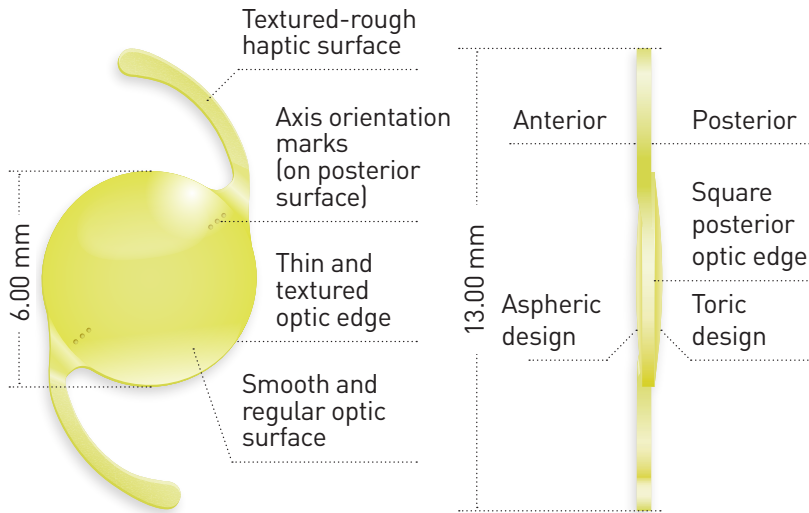
Monofocal Toric IOL for astigmatism correction

MODEL **XY1A**

HOYA
SURGICAL OPTICS

For the toric cylinder calculation please visit www.HOYAtoric.com

Vivinex™ iSert®



Vivinex™ Toric				
Model name	XY1-A			
Optic design	Biconvex with square, thin and textured optic edge Anterior: Aspheric design Posterior: Toric design			
Optic & haptic materials	Hydrophobic acrylic Vivinex™ with UV- and blue light filter			
Haptic design	Textured-rough haptic surface			
Diameter (optic/OAL)	6.00 mm / 13.00 mm			
IOL power (Spherical equivalent)	+10.00 to +30.00 D (in 0.50 D increments)			
Cylinder power at IOL plane	1.00 to 6.00 D (T2 to T9) T2 to T3 in 0.50 D increments T3 to T9 in 0.75 D increments			
Nominal A-constant*	118.9			
Optimized constants**	Haigis	$a_0 = -0.4362$	$a_1 = 0.2496$	$a_2 = 0.2035$
	Hoffer Q	pACD = 5.682		
	Holladay 1	sf = 1.918		
	SRK/T	A = 119.192		
	Castrop	C = 0.323	H = 0.1605	R = 0.1193
	Cooke K6	A = 119.182		
	Eom	A = 119.172		
	Olsen	ACD = 4.84		
Injector	Vivinex™ iSert® preloaded			
Front injector tip outer diameter	1.70 mm			
Recommended incision size	2.20 mm			

Model XY1A	Cylinder power at IOL plane	Cylinder power at corneal plane ¹
T2	1.00 D	0.69 D
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



SCAN HERE TO VIEW PRODUCT INFORMATION

2025-11-21_HSOAP_XY1A_DS_EN

Reference: 1. Based on an average pseudophakic human eye. * The A-constant is presented as a starting point for the lens power calculation. When calculating the exact lens power, it is recommended that calculations be performed individually, based on the equipment used and operating surgeon's own experience. ** These optimized constants for the calculation of intraocular lens power published by IOLCon on their website: <https://iolcon.org> are calculated from clinical results for Vivinex™ Models XC1/XY1 and XC1-SP/XY1-SP as of November 10, 2025. These constants are based on actual surgical data and are provided by IOLCon as a starting point for individual constant optimizations. The information available on the website is based on data originating from other users and not by HOYA Surgical Optics ("HSO"). HSO therefore does not warrant the correctness, completeness and currentness of the contents on the said website.

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