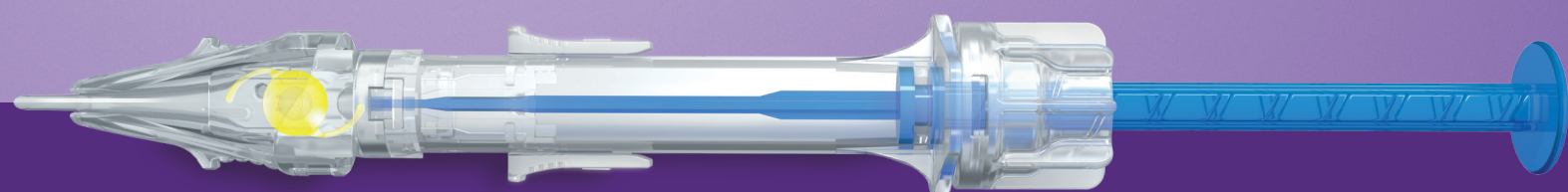




TAKE CONTROL BY PAIRING
**VIVINEX™ GEMETRIC™ &
VIVINEX™ GEMETRIC™ PLUS**



Introducing our trifocal family of IOLs
designed to advance patients' vision



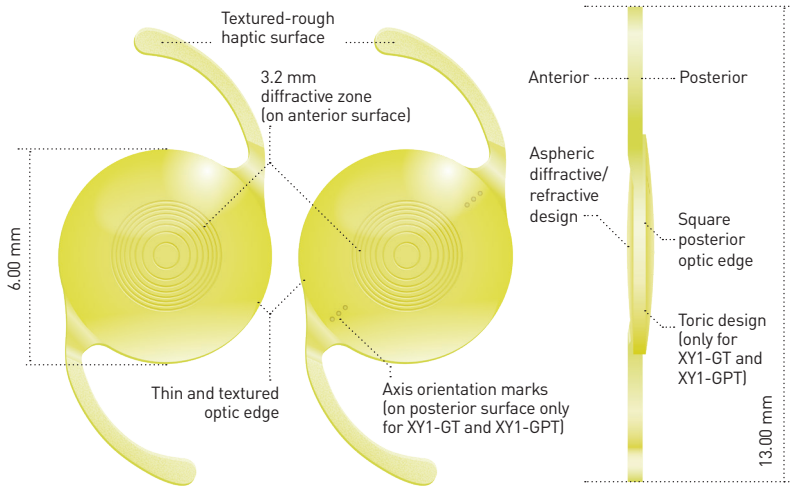
Vivinex™ Gemetric™ Vivinex™ Gemetric™ Plus

Trifocal IOLs delivered by the **multiSert™** preloaded injector

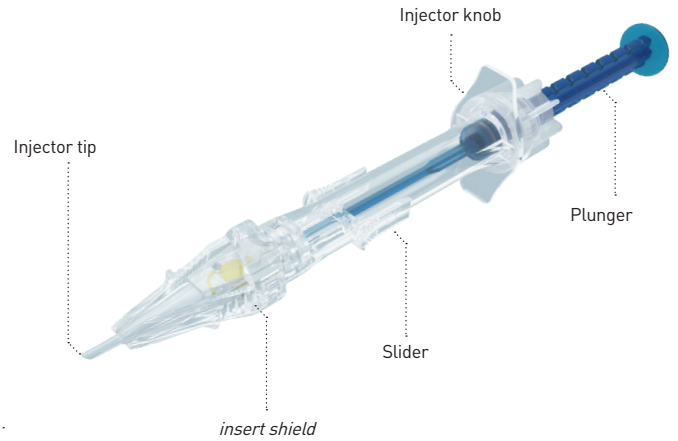
MODELS **XY1-G | XY1-GT | XY1-GP | XY1-GPT**

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



multiSert™



	Vivinex™ Gemetric™	Vivinex™ Gemetric™ Toric
	Designed to provide excellent distance vision and well balanced intermediate and near vision ¹	
Model name	XY1-G	XY1-GT
Optic Design	Biconvex with square, thin and textured optic edge Anterior: Aspheric diffractive/refractive 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 D to +30.00 D in increments of 0.50 D	
Cylinder power at IOL plane		1.00 D 1.50 D to 3.75 D in 0.75 D increments
Add power at IOL plane	Intermediate: +1.75 D Near: +3.50 D	
Nominal A-constant*	119.0	
Optimized constants**	Haigis	$a_0 = -0.1558$ $a_1 = 0.295$ $a_2 = 0.1775$
	Hoffer Q	pACD = 5.529
	Holladay 1	sf = 1.776
	SRK/T	A = 118.991
	Cooke K6	A = 118.883
	Eom	A = 118.927

	Vivinex™ Gemetric™ Plus	Vivinex™ Gemetric™ Plus Toric
	Designed to provide excellent near vision and well balanced distance and intermediate vision ¹	
Model name	XY1-GP	XY1-GPT
Optic Design	Biconvex with square, thin and textured optic edge Anterior: Aspheric diffractive/refractive 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 D to +30.00 D in increments of 0.50 D	
Cylinder power at IOL plane		1.00 D 1.50 D to 3.75 D in 0.75 D increments
Add power at IOL plane	Intermediate: +1.75 D Near: +3.50 D	
Nominal A-constant*	119.0	
Optimized constants**	Haigis	$a_0 = -0.1558$ $a_1 = 0.295$ $a_2 = 0.1775$
	Hoffer Q	pACD = 5.529
	Holladay 1	sf = 1.776
	SRK/T	A = 118.991
	Cooke K6	A = 118.883
	Eom	A = 118.927

Injector	multiSert™ preloaded
Front injector tip outer diameter	1.70 mm
Recommended incision size	2.20 mm

Injector	multiSert™ preloaded
Front injector tip outer diameter	1.70 mm
Recommended incision size	2.20 mm

Model XY1-GT, XY1-GPT	Cylinder power at IOL plane	Cylinder power at corneal plane ²
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

SCAN HERE TO VIEW PRODUCT INFORMATION



CE 0123 2025-11-10_HSOE_XY1-G_XY1-GP_XY1-GT_XY1-GPT_DS_EN

References: 1. HOYA data on file. HOYA Medical Singapore, 2020. 2. 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™ Gemetric™ IOLs 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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