

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



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





PATHWAY TO SPECTACLE INDEPENDENCE

Vivinex[™] Gemetric[™] > EXCELLENT > VERY GOOD > GOOD

RANGE OF VISION



INTERMEDIATE





Pairing provides a continuous, broad range of vision



Patient reported outcomes

High self-reported spectacle independence and patient satisfaction when pairing Vivinex[™] Gemetric[™] and Vivinex[™] Gemetric[™] Plus 6 months after surgery (n=36)²

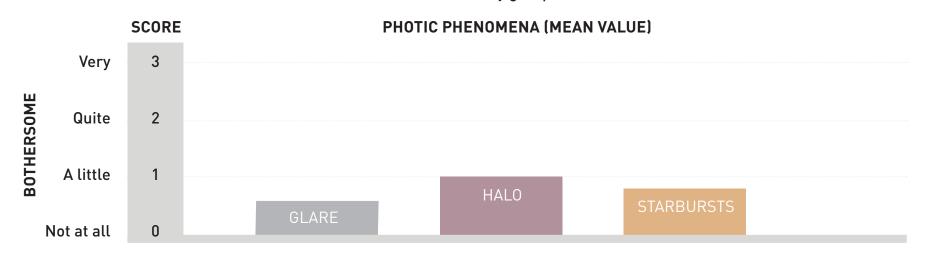






Over 90% of patients reported being spectacle independent at each distance.

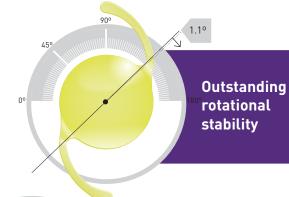
The mean photic phenomena score was between "a little bothersome" and "not at all bothersome" across all Vivinex Gemetric study groups (n=125)²



Data are collected 4-6 months postop by using the McAlinden Quality of Vision (QoV) Questionnaire

Built on the Vivinex[™] platform

All Vivinex[™] IOLs offer



Median rotation 1.1° (range: $0.0^{\circ} - 5.0^{\circ}$) 100% of lenses (n=103) had $\leq 5^{\circ}$ of rotation from their initial axis at end of surgery through all follow up visits at 1 hour, 1 week, 1 month and 6 months⁴



Improved image quality

Incorporates the Vivinex proprietary aspheric optic design which partially compensates for corneal spherical aberration and is more tolerant to sources of coma than standard aspheric designs⁵



IOL Material and Design

Glistening-free IOL material, Grade 0 based on Miyata et al. 7 with 11.6 \pm 5.7 MV/mm 2

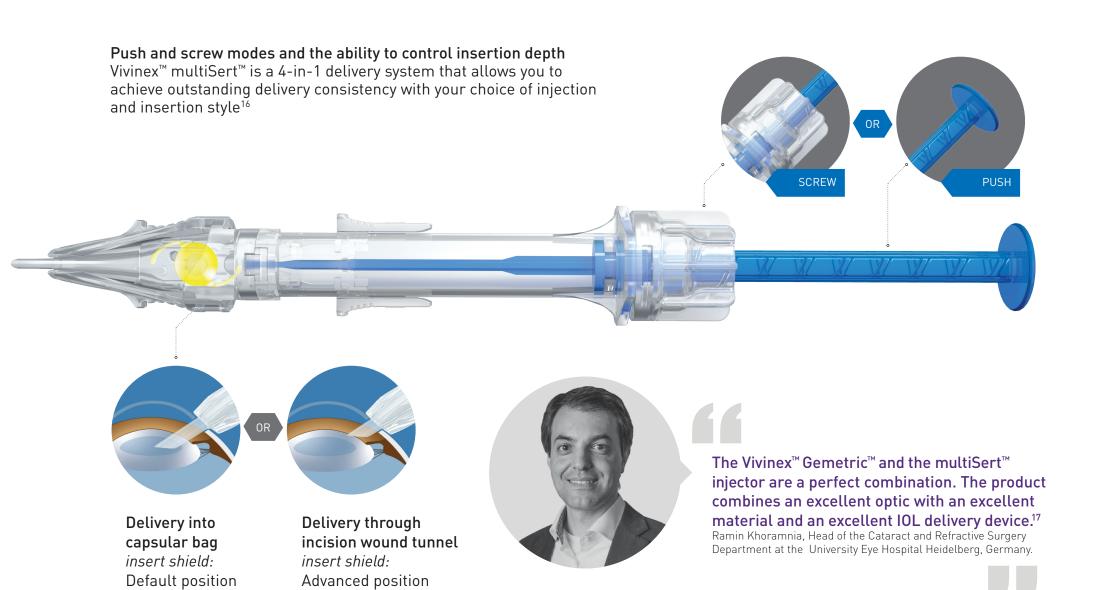
Active oxygen processing treatment, a smooth surface and square optic edge to reduce PC0^{8,9,10,11,12,13,14,15}

Textured-rough haptic surface designed to reduce potential for adhesion to the optic surface during delivery, and provides better grip inside the capsular bag.

Diffractive zone in the central 3.2 mm



Delivered in the preloaded multiSert™ injector



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HOYA Toric Calculator

- The HOYA Toric Calculator can take account of posterior corneal astigmatism in the calculation by giving the option to apply the Abulafia-Koch Regression formula.
- The Abulafia-Koch Regression, applied to a clinical patient cohort, has been shown to improve predictability of TIOL refractive



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HOYA Surgical Optics is devoted to delivering the world's leading preloaded IOLs, personalized services and specialized support.

> More information on www.HOYAsurgicaloptics.com

Specifications

	Vivinex ™ Gemetric™	Vivinex ™ Gemetric™ Toric		Vivinex ™ Gemetric™ Plus	Vivinex™ Gemetric™ Plus Toric	Model XY1-GT,	Cylinder power	Cylinder power at
Designed to provide excellent distance vision and well balanced intermediate and near vision ¹⁹			Designed to provide excellent near vision and well balanced distance and intermediate vision ¹⁹			XY1-GPT	at IOL plane	corneal plane ²⁰
Model name	XY1-G	XY1-GT	Model name	XY1-GP	XY1-GPT	T2	1.00 D	0.69 D
IOI mayyar			IOI newer			T3	1.50 D	1.04 D
IOL power (Spherical equivalent)	+10.00 D to +30.00 D in increments of 0.50 D		IOL power (Spherical equivalent)	+10.00 D to +30.00 D in increments of 0.50 D		T4	2.25 D	1.56 D
-		1.00 D	-		1.00 D	T5	3.00 D	2.08 D
Cylinder power at IOL plane		1.50 D to 3.75 D in 0.75 D increments	Cylinder power at IOL plane		1.50 D to 3.75 D in 0.75 D increments	Т6	3.75 D	2.60 D
Add power at IOL plane	Intermediate: +1.75 D Near: +3.50 D		Add power at IOL plane	Intermediate: +1.75 D Near: +3.50 D		> Refer to the datasheet for full specifications		
Nominal A-constant*	119.0		Nominal A-constant*	119.0		* 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.		
Injector	multiSert ™ preloaded		Injector	multiSert ™ preloaded				
Front injector tip outer diameter	1.70 mm		Front injector tip outer diameter	1.70 mm				
Recommended incision size	2.20 mm		Recommended incision size	2.20 mm		medicons		



Delivered by the **multiSert**[™] preloaded injector





(**6** 0123 2023-08-15_HS0E_XY1-G_XY1-GP_XY1-GT_XY1-GPT_BR_EN

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