

# VIVINEX IMPRESS™ BE IMPRESSED

Set a new benchmark for visual  
outcomes achieved by your  
monofocal patients

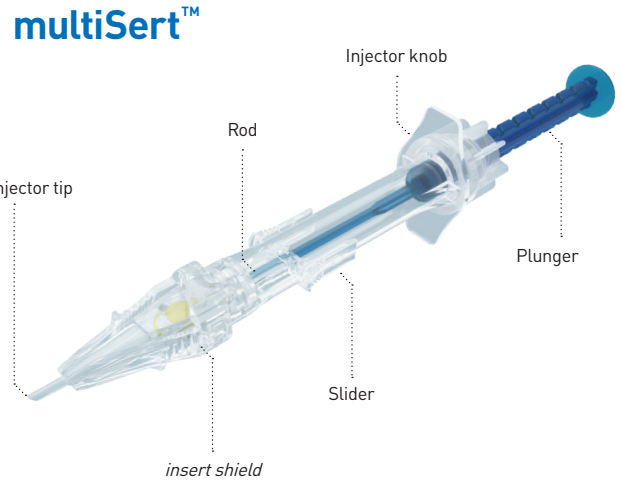
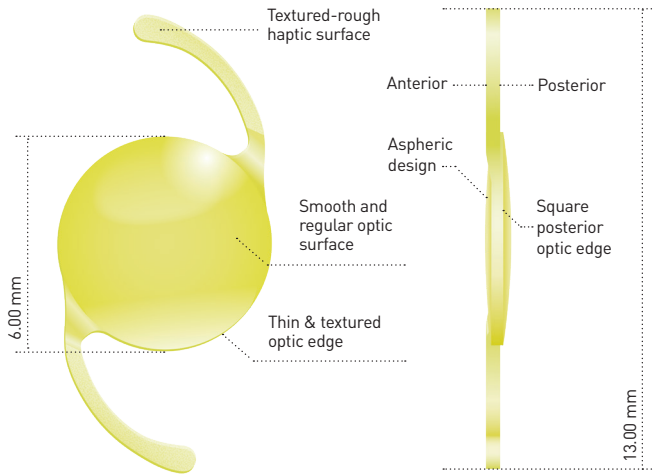


## Vivinex Impress™

Enhanced Monofocal IOL delivered by the **multiSert™** preloaded injector

MODEL **XY1-EM**

**HOYA**  
SURGICAL OPTICS



Vivinex Impress™																	
<b>Model name</b>	XY1-EM																
<b>Optic design</b>	Biconvex with square, thin and textured optic edge Anterior: Aspheric design																
<b>Optic &amp; haptic materials</b>	Hydrophobic acrylic Vivinex™ with UV- and blue light filter																
<b>Haptic design</b>	Textured-rough haptic surface																
<b>Diameter (optic/OAL)</b>	6.00 mm / 13.00 mm																
<b>IOL power (Spherical equivalent)</b>	+6.00 D to +30.00 D in increments of 0.50 D																
<b>Nominal A-constant*</b>	118.8																
<b>Optimized constants**</b>	<table border="0"> <tr> <td>Haigis</td> <td><math>a_0 = -1.0459</math></td> <td><math>a_1 = 0.2547</math></td> <td><math>a_2 = 0.2291</math></td> </tr> <tr> <td>Hoffer Q</td> <td>pACD = 5.700</td> <td></td> <td></td> </tr> <tr> <td>Holladay 1</td> <td>sf = 1.928</td> <td></td> <td></td> </tr> <tr> <td>SRK/T</td> <td>A = 119.193</td> <td></td> <td></td> </tr> </table>	Haigis	$a_0 = -1.0459$	$a_1 = 0.2547$	$a_2 = 0.2291$	Hoffer Q	pACD = 5.700			Holladay 1	sf = 1.928			SRK/T	A = 119.193		
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<b>Injector</b>	multiSert™ preloaded																
<b>Front injector tip outer diameter</b>	1.70 mm																
<b>Recommended incision size</b>	2.20 mm																

\* 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 2,857 clinical results for Vivinex™ Model XY1-SP/ XC1-SP as of August 15, 2023. 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.