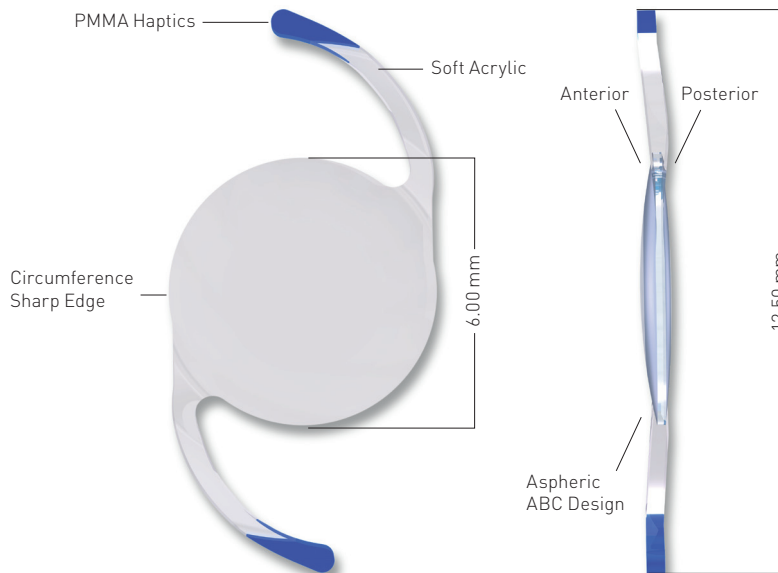


# iSert<sup>®</sup> 254

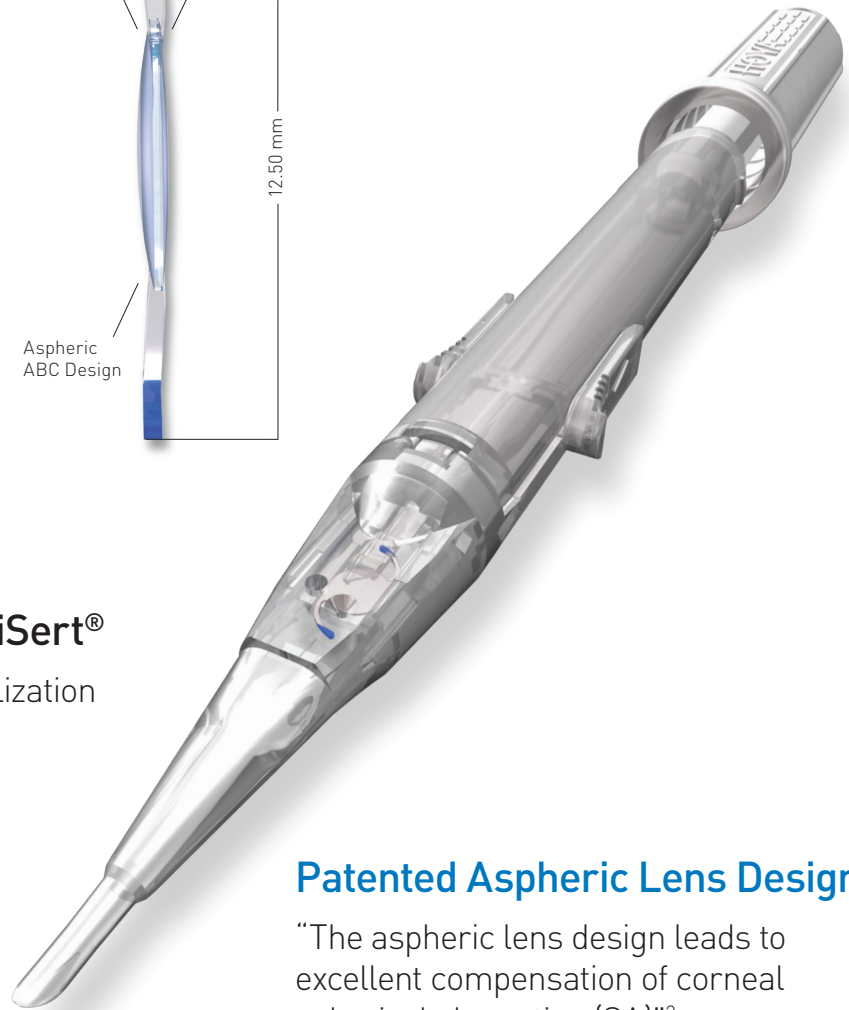
Aspheric 1-Piece IOL  
Hydrophobic Acrylic

Preloaded Injector System  
Patented Aspheric Lens Design<sup>1</sup>  
(ABC Design)  
Circumference Sharp Edge



## Preloaded Injector System iSert<sup>®</sup>

- Disposable, no cleaning or sterilization
- Immediate IOL delivery into the capsular bag



## Patented Aspheric Lens Design<sup>1</sup>

“The aspheric lens design leads to excellent compensation of corneal spherical aberration (SA)”<sup>2</sup>

## Circumference Sharp Edge

Entire posterior circumference  
of the IOL

1. United States Patent: US 8,647,383 B2

2. M. Gillner, A. Langenbacher, T. Eppig: Investigation of the theoretical image quality of aspheric intraocular lenses by decentration. Hoya AF-1 iMics1 und Zeiss ASPHINA™ (Invent ZO) / Original Article in German Der Ophthalmologe [2012] 109:263–270

# iSert® 254

## Aspheric 1-Piece IOL

### Hydrophobic Acrylic

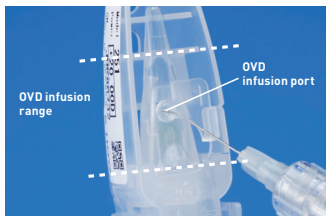
Preloaded Injector System  
 Patented Aspheric Lens Design<sup>1</sup>  
 (ABC Design)  
 Circumference Sharp Edge

<b>Model Name</b>	<b>HOYA iSert® 254</b>
<b>Specification</b>	UV filter
<b>Optic Material</b>	Hydrophobic acrylic (AF-1)
<b>Optic Design</b>	Patented Aspheric Lens Design <sup>1</sup> (ABC Design), biconvex, aberration correcting
<b>Manufacturing</b>	Lathe-cut and pad polished
<b>Haptic Material</b>	Hydrophobic acrylic with blue PMMA chemically bonded haptic tips
<b>Haptic Configuration</b>	Modified C-loop, 5° angulation
<b>Dimension (Optic/OAL)</b>	6.00 mm / 12.50 mm
<b>Power</b>	+6.00 to +30.00 D (in 0.50 D increment)
<b>Nominal A-Constant*</b>	118.4
<b>Optimized Constants**</b>	Haigis a0 = -0.542 a1 = 0.161 a2 = 0.204 Hoffer Q pACD = 5.30 Holladay 1 sf = 1.52 SRK/TA = 118.5 SRK II A = 118.8
<b>Front injector tip outer diameter</b>	1.78 mm
<b>Injector</b>	iSert® preloaded

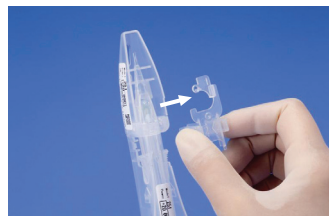
\*The A-Constant mentioned above is presented as a guideline only for lens power calculations. It is recommended that the A-Constant measurement be customized based on the surgeon's experience and measure equipment.

\*\*<http://ocusoft.de/ulib/c1.htm> (as of Oct. 31, 2016)

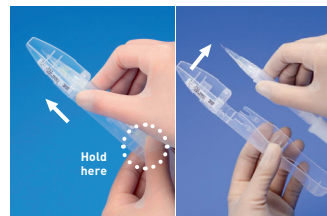
The handling shown below illustrates in summary the product application and does not replace the Instruction For Use.



**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**  
 Push the injector knob forward until it stops. Slowly rotate the knob clockwise. Carefully insert the injector tip into the eye through the incision, keeping the slit of the tip in a downward position to ensure correct IOL orientation. Slowly rotate the injector knob clockwise, to inject the lens into the capsular bag.

Some of the products and/or specific features as well as the procedures featured in this document may not be approved in your country and thus may not be available there. Design and specifications are subject to change without prior notice as a result of ongoing technical development. Please contact our regional representative regarding individual availability in your respective market.

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