

# iSert<sup>®</sup> 254

## Aspheric 1-Piece IOL

Hydrophobic Acrylic

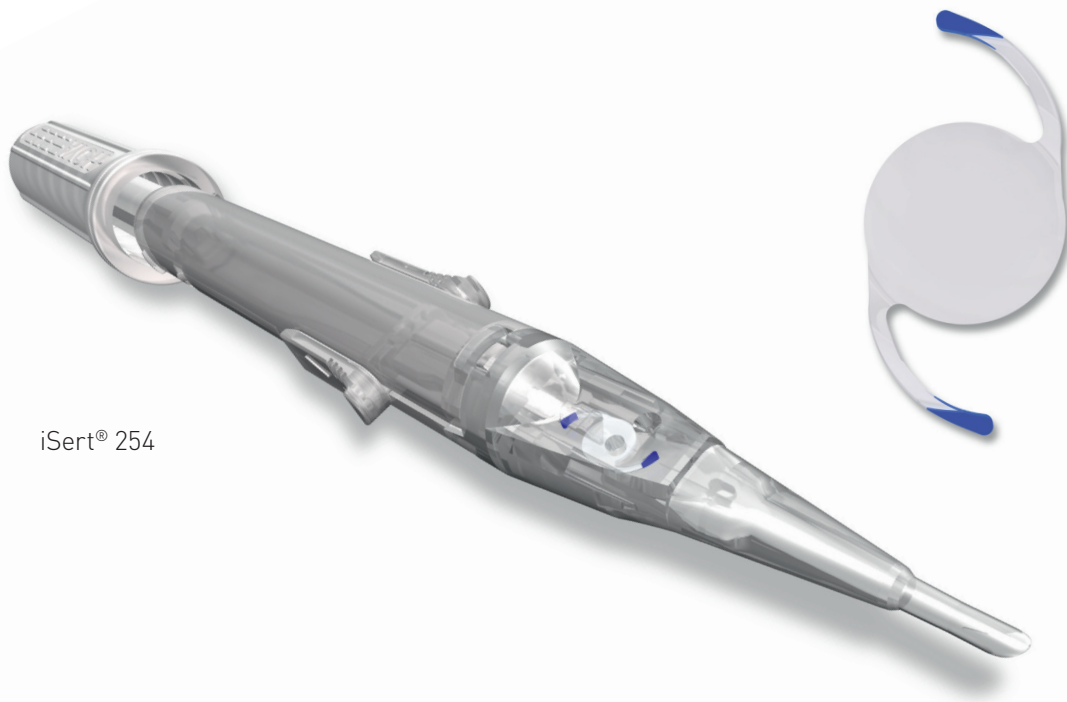
Preloaded System  
As low as 2.1 mm incision

### Small Incision

The iSert<sup>®</sup> system with as low as 2.1 mm incision allows efficient minimally invasive surgery without wound assist technique. The haptic junctions include an auto-tucking mechanism for a compact fold and easy, one-step implantation.

### Distinctive Lens Design

The Aspheric Balanced Curve (ABC) is designed to provide image quality even with small IOL decentration. A sharp square edge helps minimize PCO. It is a true hydrophobic acrylic lens.



iSert<sup>®</sup> 254

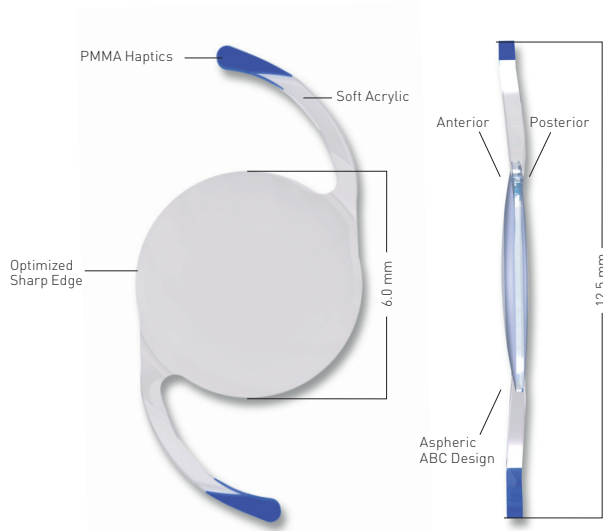
### Ease of Use

The iSert<sup>®</sup> system provides controlled IOL delivery that is highly predictable and reproducible. It reduces the time-consuming steps of inserter preparation, cleaning and sterilization. The completely disposable, closed system offers sterility and an untouched IOL.

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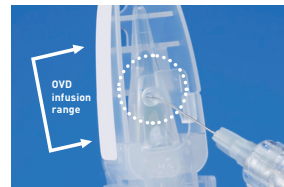
## Aspheric 1-Piece IOL

### Hydrophobic Acrylic

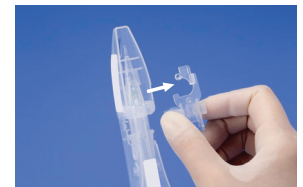


Preloaded System  
As low as 2.1 mm incision

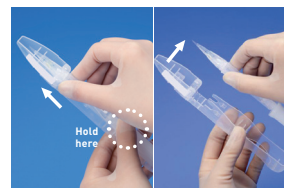
#### Step A



#### Step B



#### Step C



#### Step D



#### Step A

Infuse the OVD into the injector through the infusion port with the cannula pointed in a direction perpendicular to the body. Fill up the area indicated by dotted lines with the OVD and confirm that the OVD has covered the entire IOL.

#### Step B

Press the release tabs, lift up and remove the cover from the case.

#### Step C

Push the slider slowly until it stops, holding the body with your thumb. Do not pull back the slider at any time. After advancement of the slider, implant the IOL within 3 minutes. Remove the injector from the case.

#### Step D

Push the screw plunger forward until it contacts the injector body. Carefully insert the nozzle into the eye through the incision, keeping bevel down. Slowly rotate the screw plunger to inject the lens into the capsular bag.

<b>Model Name</b>	<b>HOYA iSert® 254</b>
<b>Specification</b>	UV Filtering
<b>Optic Material</b>	Hydrophobic Acrylic
<b>Optic Design</b>	Aspheric (Aberration correcting)
<b>Manufacturing</b>	Lathe-cut and pad polished
<b>Haptic Material</b>	Hydrophobic Acrylic and PMMA chemically bonded
<b>Haptic Configuration</b>	Modified C-Loop, 5° Angulation
<b>Dimension (Optic/OAL)</b>	6.0 mm/12.5 mm
<b>Power</b>	+6.0 to +30.0 D (in 0.5D increments)
<b>Estimated A-Constant</b>	118.4*
<b>IOL Master 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>Injector</b>	iSert®
<b>Incision</b>	As low as 2.1 mm

\*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 measuring equipment.

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HOYA Surgical Optics GmbH  
EMEA Headquarters  
De-Saint-Exupéry-Straße 8  
60549 Frankfurt am Main  
Germany

ifra-info@HOYA.com  
HOYA.com/SurgicalOptics

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