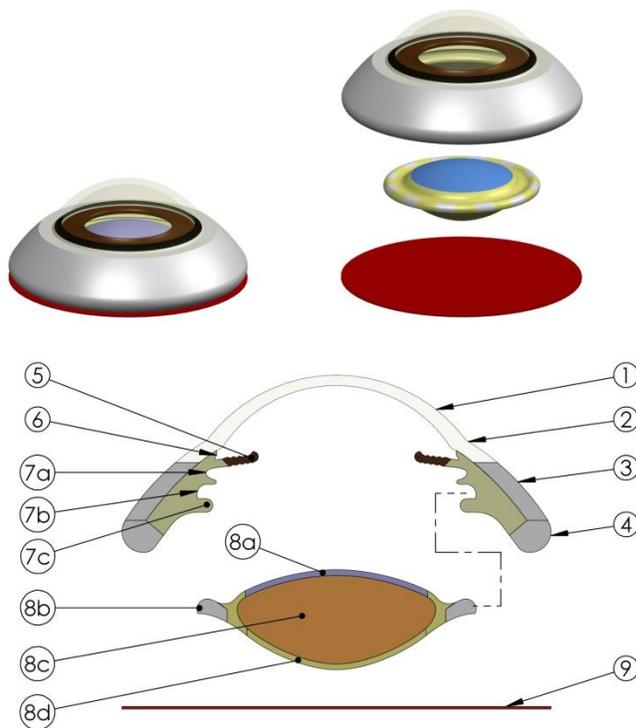


The OKULO ANTERIOR SEGMENT (AS), for MSICS features a self-sealing, transparent cornea, a pigmented angle, a flexible iris, sulcus space and a compliant sclera, allowing multiple surgical scenarios to be performed.

The OKULO ANTERIOR SEGMENT receives MSICS hard crystalline lens models (OKU-LNS-MSICS) that can be snapped on a groove at the level of the ciliary body. The lens model completes the anterior segment and creates a sealed anterior chamber that can be filled with fluid or viscoelastic (model sold dry/visco not included). A red dot is included with the ANTERIOR SEGMENT to simulate the red reflex.



- 1- CORNEA
- 2- LIMBUS
- 3- SCLERA
- 4- SUPPORT RING
- 5- IRIS
- 6- ANGLE
- 7- CILIARY BODY (CB)
- 7a- CB SULCUS
- 7b- CB GROOVE
- 7c- CB PROCESSES
- 8- LENS (SOLD SEPARATELY)
- 8a- ANTERIOR CAPSULE (SHINY)
- 8b- ATTACHMENT "ZONULE"
- 8c- LENS CORTEX/NUCLEUS
- 8d- POSTERIOR CAPSULE
- 9- RED REFLEX

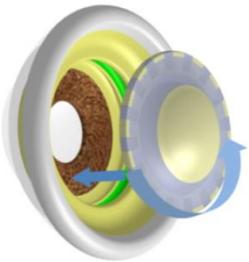
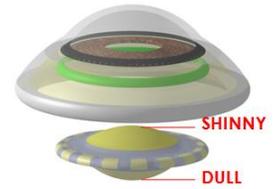
The ANTERIOR SEGMENT is semi-reusable and replaced after a limited number of procedures depending on user skill and surgery performed.

DO NOT USE DRY. Fill with viscoelastic through incision at time of surgery. [See video for demonstration](#)

LENS ASSEMBLY

CATARACT LENS (OKU-LNS-MSICS): Surgical lenses allow capsulorhexis and lens expression maneuvers to be practiced. The lens can be replaced to re-use the ANTERIOR SEGMENT up to 3 times.

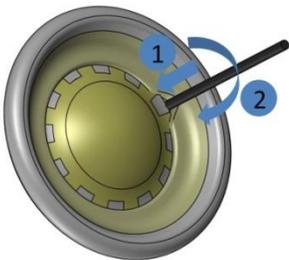
To insert, align the LENS (8) with the CILIARY BODY (7), orienting the ANTERIOR CAPSULE (9) (shiny side) facing the iris.



Gently tuck the ATTACHMENT ZONULE (8b) into the CILIARY BODY GROOVE (7b). Engage one zonule sector first and then press around the entire zonule to engage 360 degrees.

Lubricating the lens or ciliary body with water may help engagement. Press zonule lightly: Lens should be in CB GROOVE (7b) and not in CB SULCUS (7a).

Hold ANTERIOR SEGMENT by the SUPPORT RING (4) when inserting the lens.
DO NOT PULL/PUSH on the cornea!



To remove the LENS (8), use the tip of a paper clip or blunt instrument to carefully slide the CB PROCESSES (7c) outward to leverage the lens from under the ATTACHMENT ZONULE (8b).

SETUP OPTIONS

The OKULO ANTERIOR SEGMENT can be used with different BIONIKO eye holders. The MINI-HOLDER is a basic and minimalist setup that simulates eye movement.

1. Lubricate holder with fluid before inserting eye models.
2. Fix the MINI HOLDER to a smooth surface by pressing downward to engage the suction cup. To remove the MINI HOLDER from the surface: lift the suction cup release tab. **DO NOT** pull from the MINI HOLDER body.
3. Insert the RED REFLEX (9) between the ANTERIOR SEGMENT Model and the MINI HOLDER.

