

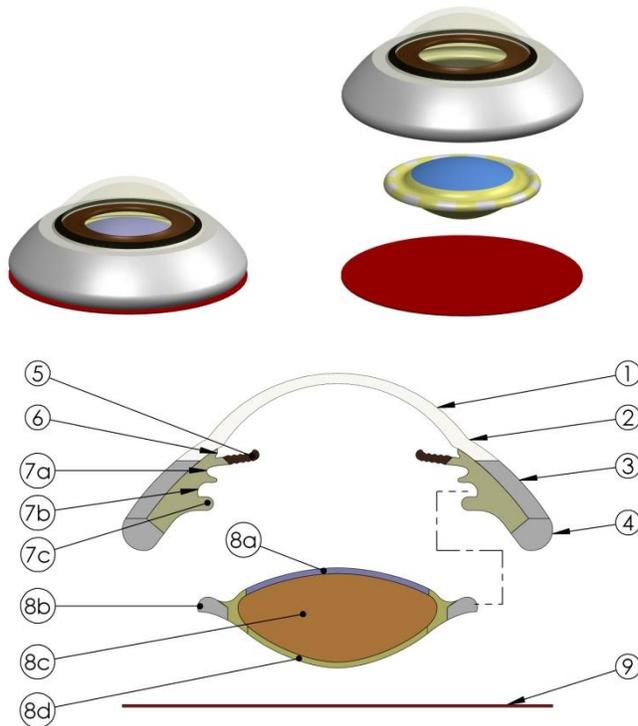
Anterior Segment BR8

INSTRUCTIONS FOR USE

The OKULO ANTERIOR SEGMENT (AS), with **BROWN** iris and **8 mm** pupil (**BR8**) 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.

Use the **OKULO AS-BR8** for: Cataract surgery, IOL implantation (in bag or sulcus), intraocular device suturing, gonioscopy and slit lamp/anterior OCT/ UBM Training and more.

The OKULO ANTERIOR SEGMENT receives a variety of crystalline lens models (sold separately) 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. For procedures with Incisions, mark the location of the incisions on the sclera for reference; subsequent simulations will use the same incisions.

For cataract surgery: Back-fill with viscoelastic through incision at time of surgery.

For gonioscopy: Fill anterior chamber with viscoelastic from the back, through the pupil, before inserting lens model.

See videos for fill demonstrations : www.youtube.com/user/BionikoDesign

LENS ASSEMBLY (SOLD SEPARATELY)

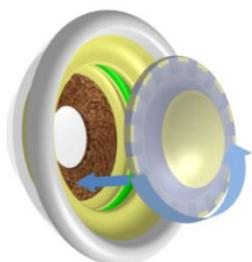
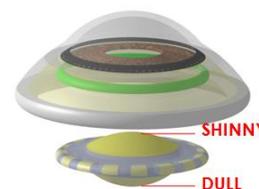
There are a variety of lens options, each one suitable for different scenarios. Refer to the lens instructions for use for additional information.

BASIC, NON-SURGICAL (OKU-LNS-B): Basic, non-surgical, lenses are solid and therefore more durable than surgical lenses.

Use the **OKULO AS-BR8** with the BASIC LENS for simulation scenarios when the lens is not the surgical target, like in Gonioscopy, MIGS scenarios or for diagnostic imaging (slit-lamp, OCT, UBM, etc).

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

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

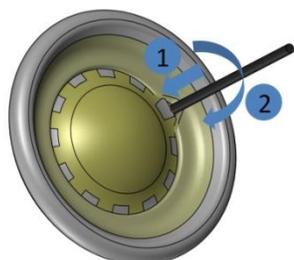


Gently tuck the ATTACHMENT ZONULE (8b) into the CILIARY BODY GROOVE (7b). Engage one zonule sector first and then press around the entire zonule to engage 360 degrees.

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!



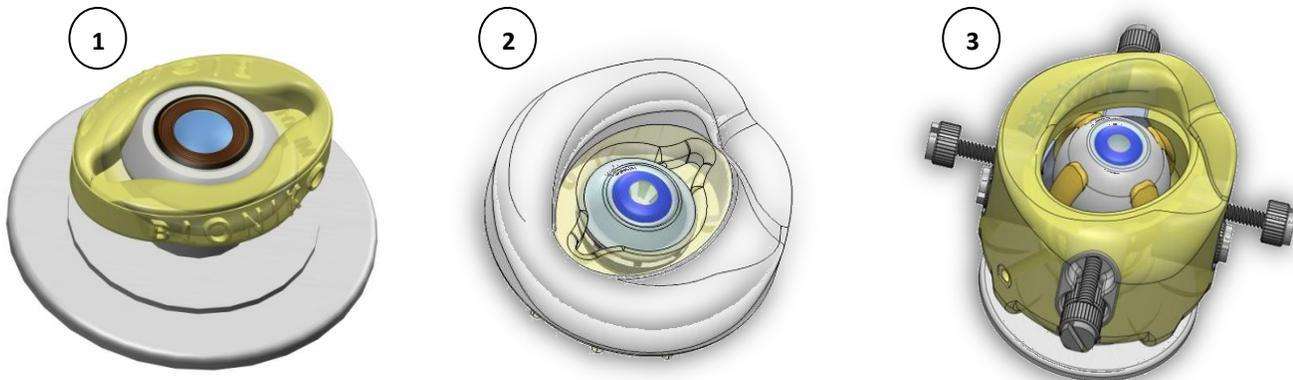
To remove the LENS (8), use the tip of a paper clip or blunt instrument to carefully slide the CB PROCESSES (7c) outward to leverage the lens from under the ATTACHMENT ZONULE (8b).

SETUP OPTIONS

The OKULO ANTERIOR SEGMENT can be used with three different eye holder platforms (SOLD SEPARATELY). Review your choice of eye holder platform instructions for more details:

1. MINI-HOLDER for a basic and minimalist setup while simulating eye movement.
2. Standard ORBIT platform for the added challenge of facial features.
3. FLEX-ORBIT platform for whole globe models, offering most realistic and flexible setup. (Requires OKULO COMPLETE model with posterior segment).

Insert the RED REFLEX(9) between the ANTERIOR SEGMENT Model and the holder of choice. If using OKULO COMPLETE, insert the RED REFLEX(9) between the ANTERIOR SEGMENT Model and the POSTERIOR SEGMENT.



INSTRUCTIONS FOR CARE

Follow these recommendations to maximize the life of your **models**:

- Store in a **cool, dry and dark** place (a drawer will be fine). Extended exposure to sunlight or some indoor lights (UV) may affect material properties. Prolonged exposure to humidity or high temperatures may adversely affect material properties.
- Do NOT place **heavy objects** on top of the models. Prolonged compression may deform the models.
- DO NOT push on the CORNEA when engaging the anterior segment. Press only on the sclera around the SUPPORT RING to avoid damage to the model. Avoid squeezing the anterior segment.
- Store the OKULO ANTERIOR SEGMENT in the acrylic box with the flat surface down. Do not compress the cornea.
- To clean the OKULO ANTERIOR SEGMENT, flush excess viscoelastic with a syringe or under running water. Anterior cornea can be cleaned with an alcohol wipe. Air dry before storing.