LinK

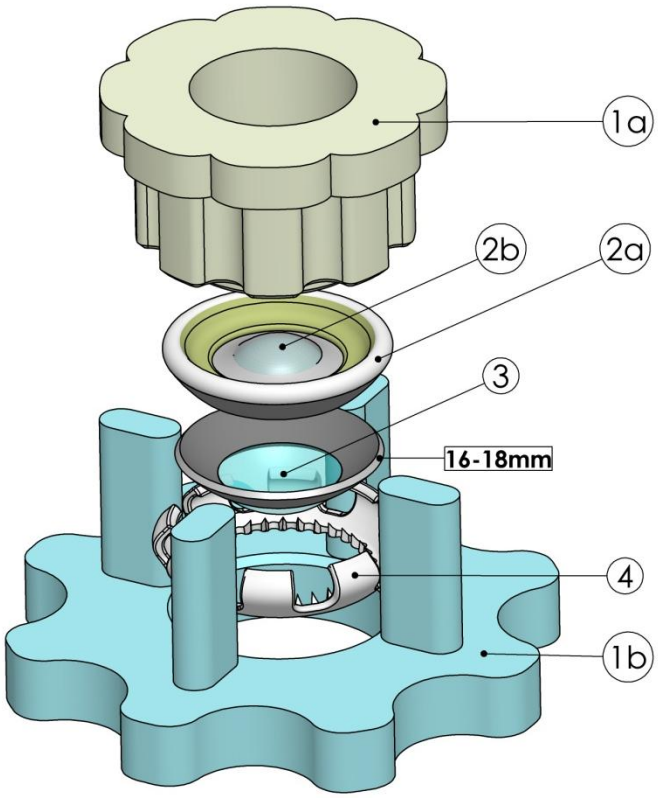
LK PLATFORM

BIONIKO MODELS

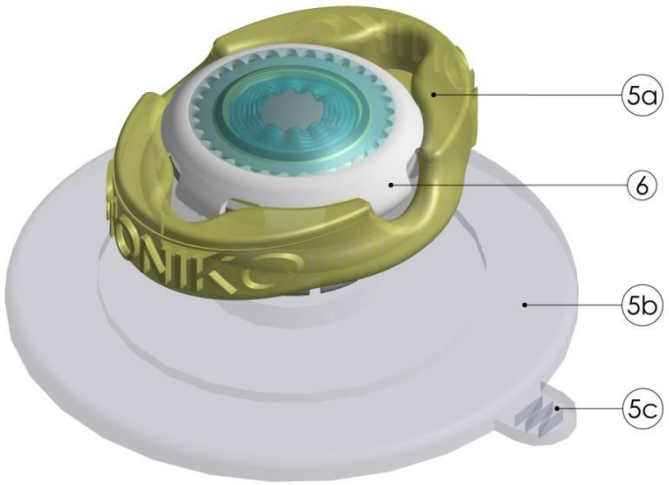
INSTRUCTIONS FOR USE

Watch an instructional video:

Lamellar Keratoplasty (LK) scenarios, such as DMEK, DSEK and DALK, usually require the use of real biological tissue. Most often, the graft is recovered from an excised donor cornea and implanted into a 2nd whole globe. The **LinK** system allows the formation of a surgical anterior chamber from the excised donor cornea (tissue not included) on where to simulate the implantation of the graft. Opposed to other artificial chambers, LinK focuses on providing a realistic surgical experience by allowing more direct access to the limbus, simulating eye movement and providing a realistic iris and crystalline lens complex to complete the anterior chamber.



1- TOOL a- PRESS
b- BASE
2- a- ANTERIOR SEGMENT
b- LENS
3- DONOR CORNEA (NOT INCLUDED)
4- LINK RING
5- LinK HOLDER a- SOCKET
b-SUCTION CUP
c-RELEASE TAB
6- ASSEMBLED LinK AC



Donor cornea should have a uniform scleral rim, with a min. 16mm diameter.

Model Setup

The system is requires using a tool **(1a, 1b)** to consistently assemble the anterior segment **(2)** with the donor cornea **(3)** by crimping them with a snap "LinK" ring **(4)**. To assemble:

1- Lubricate the tool base **(1b)** posts with water or water based gel.

2- Wet and slide a new LinK ring **(4)** on the tool base **(1b)**

3- Insert and center the donor cornea **(3)** inside the ring.

4- Slide the anterior segment **(2)** down the tool base so that it sits flush on top of the LinK ring, with the iris facing down towards the cornea.

5- Insert the tool press **(1a)** on the tool base so that it is flush with the anterior segment, then press evenly and firmly on the press to assemble the LinK AC **(6)**.

6- Remove the assembled AC form the tool base and insert it into the LinK holder by gently opening the flexible holder socket (5a).

7- Fix the holder to a smooth surface with the suction cup (5b).

8- **Lift the suction release tab (5c) to remove HOLDER from surface. DO NOT PULL ON THE HOLDER.**

Instructions for care

Follow these recommendations to maximize the shelf life of the models:

- Store in a **cool**, **dry** and **dark** place (a drawer will be fine). Extended exposure to some indoor lights or sunlight (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 model's box. Prolonged compression may deform the models.

FAQ

- **Q:** Why does the sclera slide out of the ring?

A: The *donor cornea needs to have sufficient scleral tissue to properly anchor it with the LinK ring. If the scleral rim is less than 16mm in diameter all around, there may be slippage.*

- **Q:** How can I prevent rings from breaking during assembly?

A: The rings can break during assembly when they are dry. *Wet before assembly to lubricate.*