

AJL vacuum pump



The KV2000 pump is a medical device designed to fix the eyeball and facilitate the creation of corneal tunnels for intrastromal ring implantation during keratoconus surgery.

BRIEFCASE INCLUDED
 Dimensions: 46x33x15
 Weight: 5,10 Kg



Online Nomogram

keratoconus@ajlsa.com



Request your password for the first time by clicking on the following option

To study your case, initially choose AJL-RING or Intacs.

AJL pro+ will be additionally suggested if indicated.

Fill in all the fields and click "calculate".

You will be able to download the PDF with the result of the most accurate for your case

Nomogram access
 Email:
 Password:
 Forgot password? Register or get a new password, click here. Data protection policy

Patient information
 Patient ID:
 Doctor:
 Eye:
 Nomogram:

Nomogram user manual
 If you have any question, please send an email to: keratoconus@ajlsa.com
 I accept license agreement / Acepto licencia de uso
 I accept legal conditions / Acepto condiciones legales

* Not Cleared For Use In The United States Version 2.0

Selected Options
 Patient: test
 Eye: OD
 Nomogram: AJL-RING

AJL-RING

Keratometry
 Value (D) Axis (degrees)
 K1 (Flat) x y
 K2 (steep) x y

Coma Aberration
 Coma test:
 RMS Coma (coma/Abax):
 If coma is not available please follow this link:

Dichrometry
 Min. thickness in 5/6 mm area:

Asphericity
 Q Value (Qp/Rmm):

AJL-RING PARAMETERS

PRODUCT
 AJL-RING:

DOCTOR
 test

SEGMENT 1
 Reference: AFR625210
 Segment: 220°/250µm

FEMTOSECOND PARAMETERS
 Depth:
 Int. Diameter:
 Ext. Diameter:
 Incision:

Ref. Segment 1: AFR625210

Remember that AJL pro+ rings are indicated exclusively in two phenotypes (Snowman and Duck). In case AJL pro+ is indicated taking into account the data provided by you, it is considered as a more accurate alternative to symmetrical rings (Optional).

Keratoconus

AJL pro+



AJL-RING



Leaders in keratoconus surgery

ajlsa.com
 keratoconus@ajlsa.com

V-04-02-AJLIMP REV. 00

AJL pro+

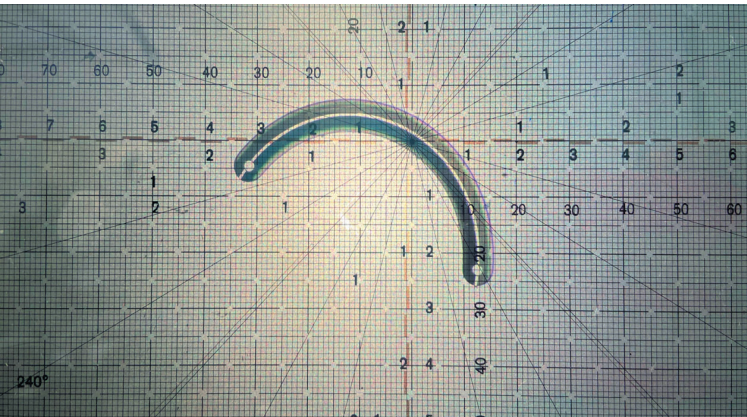


- Asymmetrical intrastromal corneal ring
- Triangular section
- Optical area of 5mm and 6mm
- Progressive variable thickness from 0.15 to 0.25 mm. and 0.15 to 0.30 mm

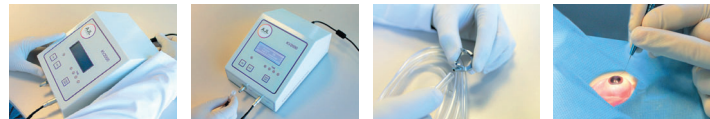
AJL-RING



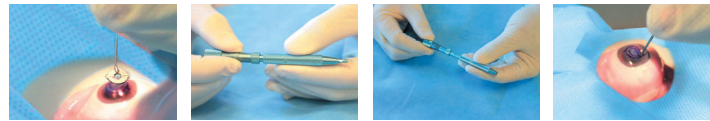
- AJL intrastromal ring
- Triangular section
- 5mm and 6mm optical area
- References AFR and AFR6



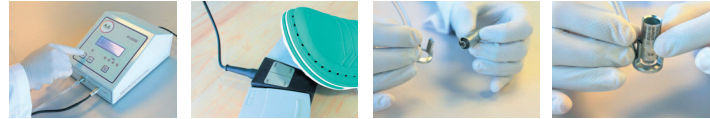
Technique



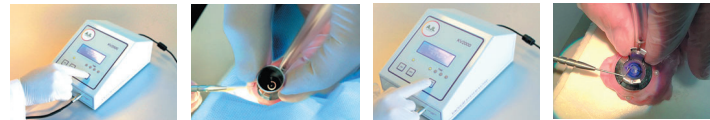
1. Connect the power cord to the connector
2. Connect the tube to the corresponding port
3. Connect the suction ring to the tubing connected to the pump
4. Mark the visual axis using the snakeskey hook.



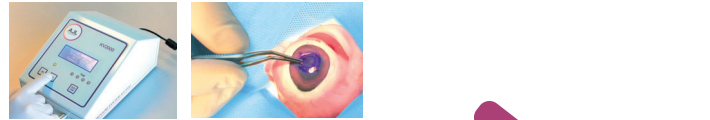
5. Mark the exact place where the ICR will be implanted
6. Diamond knife: Calibrates confirm that the tip of the blade is at the same level as the metal tip
7. This will indicate that the surgical knife is properly calibrated
8. Make an incision



9. Press ON
10. Or use the pedal
11. Select the appropriate dissector
12. Place the suction ring, the corneal separator, ensuring it is centred



13. Select "LOW" pressure
The green light will turn on
14. Ensure the spatula is in a perpendicular position
15. Select "HIGH" pressure to make the tunnel
16. Create the tunnel with the spatula using gentle, rotating movements



17. To deactivate the vacuum system or turn off the pump, keep pressing the pedal or the OFF button
18. Lastly, implant the selected ring

Instruments

For AJL-RING use only (Optical Zone 5.0mm BASE 600µm and 6.0mm BASE 800µm)					
Reference	AJL-TKR111*	AJL-TKR110*	AJL-TKR105*	AJL-TKR101*	AJL-TKR102* AJL-TKR102.01*
Instrument	Kremer Fixation Forceps	McPherson Modified Short.	Double Sinskey Hook.	Mendez transfer.	Double optical marker 5 mm. Double optical marker 6 mm.
Indications	Eye fixation during incision.	AJL-RING introduction into the tunnel.	Insertion/extraction of AJL-RING from the tunnel.	Visual axis mark with outer tip.	Axes visualization on the cornea. Incision and AJL-RING track marking.

Reference	DK-S-330-1*	AJL-TKR104*	AJL-TKR103*	AJL-TKR113*
Instrument	Diamond Knife.	Predelaminator.	Suarez Spreader.	Bicalho Guide.
Indications	Incision (square shape).	Incision opening corneal pocket start.	Corneal pocket execution, tunnel start.	Spatulas insertion guide.

Manual procedure

Reference	AJL-TKR107*	AJL-TKR109*	AJL-TKR106*	AJL-TKR108*	6120A*
Instrument	Spatula left 5 mm. (CCW)	Spatula left 6 mm. (CCW)	Spatula right 5 mm. (CW)	Spatula right 6 mm. (CW)	AJL-RING Sterilization PlasticTray.
Indications	Also known as Corneal Dissectors. Creates a CW and CCW annular subsurface tunnel for AJL-RING placement.				Maintenance and sterilization of the instruments.

Procedure with Vacuum Pump

Reference	KV2000*	7K5000*	KV10478-2*
Instrument	Vacuum pump.	Tubing set.	Suction ring.
Indications	A medical device designed to set the eyeball and facilitate the creation of corneal tunnels during intracorneal ring implantation surgery.	Connector between pump and suction ring. It is necessary for the system to work. The flow is controlled by the vacuum pump, which monitors the pressure.	Port for attachment to a vacuum source. Centers and stabilizes the Corneal Separators onto the cornea during the dissection of the intrastromal tunnels.

Reference	AJLF50L	AJLF60L	AJLFS0R	AJLFS0R	AT1121*	AJLFT5	AJLFT6
Instrument	Spatula left 5 mm. (CCW)	Spatula left 6 mm. (CCW)	Spatula right 5 mm. (CW)	Spatula right 6 mm. (CW)	Suction ring aligner	Inspection Gauge, of corneal spatula.	Inspects the concentricity and planarity of the Corneal Separator blades.
Indications	Also known as Corneal Dissectors. Creates a CW and CCW annular subsurface tunnel for AJL-RING placement.				Suction ring aligner with the visual axis work, previously done at the start of the procedure.		