



The future of vision

TM Ferrara Ophthalmics Brasil



FERRARA RING™

Intrastromal Corneal Implants

<i>Brand name</i>	FERRARA RING™
<i>Reference</i>	AFR (optical zone of 5 mm) and AFR6 (optical zone of 6 mm).
<i>Definition</i>	Intrastromal Corneal Implants.
<i>Arc</i>	90°, 120°, 140°, 150°, 160°, 180°, 210°, 300°, 320° *Other arc lengths upon request.
<i>Thickness</i>	0.15, 0.20, 0.25, 0.30, 0.35 mm
<i>Indications</i>	<p>The correct indication of Ferrara Ring implants requires a detailed evaluation of the topographic conditions and pachymetry of the cornea, in addition to a complete visual examination.</p> <ul style="list-style-type: none"> • Progressive keratoconus. • Keratoconus with intolerance to contact lenses. • Corneal deformity induced by contact lenses (Harstein's syndrome). • Post-penetrating keratoplasty astigmatism. • Post-Lasik corneal ectasias. • Post-radial keratotomy astigmatism. • Pellucid marginal degeneration.
<i>Product description</i>	<p>The FERRARA RING™ consists of a semicircular segment with an arc of multiple lengths and a fixed triangular section: AFR (0.60 mm base) and AFR6 (0.80 mm base).</p> <p>Single Use Implant. Each segment has an orifice of 0.20 mm at each end to facilitate its implantation.</p>
<i>Material</i>	Polymethyl Methacrylate (PMMA) with natural blue light filter .
<i>Sterilization method</i>	Ethylene Oxide (ETO).
<i>Supply</i>	Individual sterile segment, not pyrogenic
<i>Shelf-life</i>	4.5 years

REFERENCE TABLE FOR ORDERS

<i>Optical area</i>	AFR= Optical Ferrara Ring 5 mm	Reference: AFRXXYYY XX= Thickness of the ring AFR6XXYYY YYY= Arc of the ring
	AFR6= Optical Ferrara Ring 6 mm	
<i>Thickness</i>	0.15 mm, 0.20 mm, 0.25 mm, 0.30 mm, 0.35 mm.	Example: AFR15160: Ferrara Ring 5 mm Thickness 0.15 mm Arc 160°
<i>Arc</i>	90°, 100°, 110°, 120°, 130°, 140°, 150°, 160°, 170°, 180°, 190°, 200°, 210°, 300°, 320°, 330°, 340°.	AFR620150: Ferrara Ring 6 mm Thickness 0.20 mm Arc 150°

* Product with CE marking

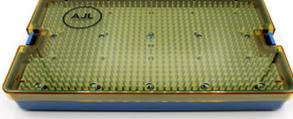
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For FERRARA RING™ use only (Optical Zone 5.0mm BASE 600µm and 6.0mm BASE 800µm)

						
Reference	AJL-TKR111*	AJL-TKR110*	AJL-TKR105*	AJL-TKR101*	AJL-TKR102*	AJL-TKR102.01*
Instrument	Kremer Fixation Forceps.	McPherson Modified Short.	Double Sinsky Hook.	Mendez transfer.	Double optical marker 5 mm.	Double optical marker 6 mm.
Indications	Eye fixation during incision.	Ferrara Ring introduction into the tunnel.	Visual axis mark with outer tip. Insertion/extraction of Ferrara Ring from the tunnel.	Axes visualization on the cornea.	Incision and Ferrara Ring track marking.	

				
Reference	DK-5-330-1*	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)	Ferrara Sterilization Plastic Tray.
Indications	Also known as Corneal Dissectors. Creates a CW and CCW annular subsurface tunnel for Ferrara 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	AJLF50R	AJLF60R	AT11211*	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.
Indications	Also known as Corneal Dissectors. Creates a CW and CCW annular subsurface tunnel for Ferrara placement.				Suction ring aligner with the visual axis work, previously done at the start of the procedure.	Inspects the concentricity and planarity of the Corneal Separator blades.

* The set is common for both 5mm and 6mm optical zones except these items.

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