

## **EYE IMPLANTS**

MADE IN GERMANY

## **CAPSULAR RINGS**

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### **INTRAOCULAR LENSES**

HYDROPHILIC IOL
MASKET ANTI-ND IOL16
BAG-IN-THE-LENS

### **ACCESSORY**

CALIPER RINGS
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With effect from the publication day of this catalogue all previous issues will cease to be valid. This catalogue and the descriptions, technical references, and annotations have been put together by us with due diligence. We cannot, however, accept any liability concerning misprints, technical changes at products, and consequential damage in connection with technical references as well as our ability to deliver within the catalogue's duration of validity. Illustrations and descriptions in this catalogue do not represent at any case a warranty of features. Not all implants are available in all countries. All listed A-constants are presented as guidelines only. We recommend that you develop your own A-constants based on your experience.

To use the products safely, please read "Instruction For Use" carefully before use.

## RINGS



	EyeJet® CTR preloaded			
Model (REF)	14 RIGHT / 14 LEFT	14C RIGHT / 14C LEFT	14A RIGHT / 14A LEFT	
Size (open)	12.3 mm	13.0 mm	14.5 mm	
Size (compressed)	10.0 mm	11.0 mm	12.0 mm	
Zonular Damage	up to 4 hours (120°)	up to 4 hours (120°)	up to 4 hours (120°)	
Incision	2.2 mm	2.2 mm	2.2 mm	
Material	CLEAR PMMA	CLEAR PMMA	CLEAR PMMA	
Direction of Implantation	RIGHT (clockwise) / LEFT (counter clockwise)	RIGHT (clockwise) / LEFT (counter clockwise)	RIGHT (clockwise) / LEFT (counter clockwise)	



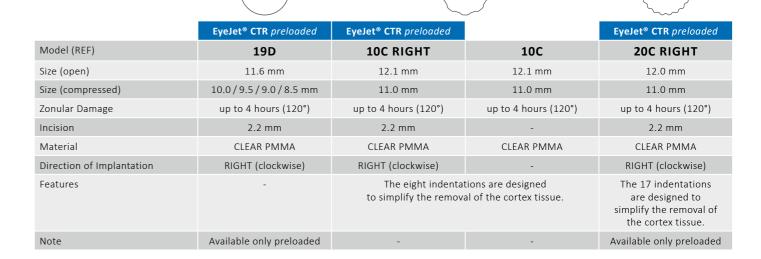
Model (REF)	135	14	14C	14A
Size (open)	10.5 mm	12.3 mm	13.0 mm	14.5 mm
Size (compressed)	9.0 mm	10.0 mm	11.0 mm	12.0 mm
Zonular Damage	up to 4 hours (120°)			
Material	CLEAR PMMA	CLEAR PMMA	CLEAR PMMA	CLEAR PMMA



	EyeJet® CTR preloaded			
Model (REF)	13 RIGHT	13A RIGHT	13B RIGHT	
Size (open)	12.3 mm	13.0 mm	14.5 mm	
Size (compressed)	10.0 mm	11.0 mm	12.0 mm	
Zonular Damage	up to 4 hours (120°)	up to 4 hours (120°)	up to 4 hours (120°)	
Incision	2.2 mm	2.2 mm	2.2 mm	
Material	BLUE PMMA	BLUE PMMA	BLUE PMMA	
Direction of Implantation	RIGHT (clockwise)	RIGHT (clockwise)	RIGHT (clockwise)	
Features	The bent eyelet is designed to reduce a possible puncturing (bulging) of the capsular bag when the ring is being rotated into the bag.			



Model (REF)	13	13A	13B
Size (open)	12.3 mm	13.0 mm	14.5 mm
Size (compressed)	10.0 mm	11.0 mm	12.0 mm
Zonular Damage	up to 4 hours (120°)	up to 4 hours (120°)	up to 4 hours (120°)
Material	BLUE PMMA	BLUE PMMA	BLUE PMMA
Features	The bent eyelet is designed to reduce a possible puncturing (bulging) of the capsular bag when the ring is being rotated into the bag.		



## **CIONNI RINGS**FOR SCLERAL FIXATION









Model (REF)	1\$	1G	1L	2C
Size (open)	10.7 mm	12.2 mm	13.0 mm	13.0 mm
Size (compressed)	8.5 mm	10.0 mm	11.0 mm	11.0 mm
Zonular Damage	> 4 hours (120°)	> 4 hours (120°)	> 4 hours (120°)	> 4 hours (120°)
ACCC*	6.0 mm	6.0 mm	7.0 mm	7.0 mm
Suturable Arms	one	one	one	one
Material	CLEAR PMMA	CLEAR PMMA	CLEAR PMMA	CLEAR PMMA
Fixation	We recommend the use of 9-0 double armed prolene sutures with spatula needles.			
Note	Cannot be implanted with an injector!	Cannot be implanted with an injector!	Cannot be implanted with an injector!	-









	EyeJet® CTR preloaded	EyeJet® CTR preloaded		
Model (REF)	10L RIGHT	10G RIGHT	2L	2\$
Size (open)	13.0 mm	13.0 mm	13.0 mm	13.0 mm
Size (compressed)	11.0 mm	11.0 mm	11.0 mm	11.0 mm
Length	35.4 mm	37.0 mm	-	-
Zonular Damage	> 4 hours (120°)	> 4 hours (120°)	> 6 hours (180°)	> 6 hours (180°)
ACCC*	7.0 mm	7.0 mm	7.0 mm	5.0 mm
Suturable Arms	one	one	two	two
Incision	2.2 mm	2.2 mm	-	-
Direction of Implantation	RIGHT (clockwise)	RIGHT (clockwise)	-	-
Material	CLEAR PMMA	CLEAR PMMA	CLEAR PMMA	CLEAR PMMA
Fixation	We recommend the use of 9-0 double armed prolene sutures with spatula needles.			
Note	For Marfan; Available only preloaded	For Traumatic cataracts; Available only preloaded	Cannot be implanted with an injector!	Cannot be implanted with an injector!

\* Anterior Continuous Curvilinear Capsulorhexis

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## CAPSULAR SEGMENTS FOR SCLERAL FIXATION





Model (REF)	6D	6E	
Total Diameter	9.5 mm	10.0 mm	
Angle	120°	120°	
Zonular Damage	> 4 hours (120°)	> 4 hours (120°)	
ACCC*	5.0 mm	5.0 mm	
Suturable Arms	one	one	
Material	CLEAR PMMA CLEAR PMMA		
Fixation	We recommend the use of 9-0 double armed prolene sutures with spatula needles		

<sup>\*</sup> Anterior Continuous Curvilinear Capsulorhexis

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Model (REF)	925	46G	90L
Total Diameter	15.0 mm	15.0 mm	15.0 mm
Body Diameter	6.0 mm	6.0 mm	6.5 mm
Effective Optical Diameter	6.0 mm	6.0 mm	6.0 mm
Position	Capsular Bag	Capsular Bag	Capsular Bag
Haptic	C-Loop   10°	C-Loop   10°	C-Loop   10°
Standard Diopter Range	10.0 – 30.0 D (0.5 inc.)	10.0 – 26.0 D (0.5 inc.)	10.0 – 30.0 D (0.5 inc.)
On Request Diopter Range	-15.0 – 9.5 D (0.5 inc.) 30.5 – 40.0 D (0.5 inc.)	-5.0 – 9.5 D (0.5 inc.) 26.5 – 35.0 D (0.5 inc.)	8.5 – 9.5 D (0.5 inc.)
Theoretical A-Con. (optical)	119.7   Scleral sutured = 120.6	119.7   Scleral sutured = 120.6	119.7   Scleral sutured = 120.6
Theoretical ACD (optical)	5.96 mm   Scleral sutured = 6.48 mm	5.96 mm   Scleral sutured = 6.48 mm	5.96 mm  Scleral sutured = 6.48 mm
Optimized A-Con. (optical)	-	-	Scleral sutured = 118.1
Optimized ACD (optical)	-	-	Scleral sutured = 5.02 mm
Haigis	a0 = 1.40   a1 = 0.40   a2 = 0.10	a0 = 1.40   a1 = 0.40   a2 = 0.10	-
SRK/T   SRK II	119.1   119.6	119.1   119.6	-
Material	Hydrophilic Acrylic	Hydrophilic Acrylic	Hydrophilic Acrylic
Water Content	28.0 %	28.0 %	28.0 %
Filter	UV - Filter	UV-Filter and High Energy Visible Light Blocker	UV - Filter
Refractive Index	1.46	1.46	1.46







Model (REF)	92G	92B	92C
Total Diameter	15.0 mm	15.0 mm	10.5 mm
Body Diameter	6.5 mm	7.0 mm	6.0 mm
Effective Optical Diameter	6.0 mm	6.5 mm	5.5 mm
Position	Capsular Bag	Capsular Bag	Capsular Bag
Haptic	C-Loop   10°	C-Loop   10°	4-Loop   10°
Standard Diopter Range	10.0 – 30.0 D (0.5 inc.)	10.0 – 30.0 D (0.5 inc.)	15.0 – 30.0 D (0.5 inc.)
On Request Diopter Range	8.5 – 9.5 D (0.5 inc.)	-10 – 9.5 D (0.5 inc.)	8.5 – 14.5 D (0.5 inc.) 30.5 – 35.0 D (0.5 inc.)
Theoretical A-Con. (optical)	119.7   Scleral sutured = 120.6	119.7   Scleral sutured = 120.6	119.1
Theoretical ACD (optical)	5.96 mm   Scleral sutured = 6.48 mm	5.96 mm   Scleral sutured = 6.48 mm	5.61 mm
Material	Hydrophilic Acrylic	Hydrophilic Acrylic	Hydrophilic Acrylic
Water Content	28.0 %	28.0 %	28.0 %
Filter	UV-Filter	UV-Filter	UV-Filter
Refractive Index	1.46	1.46	1.46
Note	-	Cannot be implanted with an injector due to its optic size!	-



Model (REF)	97В				
Total Diameter	11.0 mm	10.8 mm	10.5 mm		
Body Diameter	6.5 mm	6.3 mm	6.0 mm		
Effective Optical Diameter	6.5 mm convexo-concave	5.8 mm biconvex	5.5 mm biconvex		
Position	Capsular Bag	Capsular Bag	Capsular Bag		
Haptic	4-Loop   0°	4-Loop   0°	4-Loop   0°		
Standard Diopter Range	-	-	15.0 – 30.0 D (0.5 inc.)		
On Request Diopter Range	-5.0 – 4.5 D (0.5 inc.)	5.0 – 14.5 D (0.5 inc.)	30.5 – 35.0 D (0.5 inc.)		
Theoretical A-Con. (optical)	118.8	118.8	118.8		
Theoretical ACD (optical)	5.43 mm	5.43 mm	5.43 mm		
Optimized A-Con. SRKT (optical)*	118.8	118.8	118.4		
Material	Hydrophilic Acrylic	Hydrophilic Acrylic	Hydrophilic Acrylic		
Water Content	28.0 %	28.0 %	28.0 %		
Filter	UV-Filter	UV - Filter	UV - Filter		
Refractive Index	1.46	1.46	1.46		
Features	REF 97B is manufactured with larger optic and overall diameter for highly myopic eyes and myopic range of power.				

<sup>\*</sup> by B. Golenvaux, MD

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## MASKET ANTI-ND IOL



Model (REF)	90\$
Total Diameter	15.0 mm
Body Diameter	6.4 mm
Effective Optical Diameter	5.0 – 4.7 mm
Position	Capsular Bag
Haptic	C-Loop   0°
Standard Diopter Range	10.0 – 30.0 D (0.5 inc.)
On Request Diopter Range	8.5 – 9.5 D (0.5 inc.) 30.5 – 40.0 D (0.5 inc.)
Theoretical A-Con. (optical)	118.05
Theoretical ACD (optical)	4.97
Material	Hydrophilic Acrylic
Water Content	28.0 %
Filter	UV-Filter
Refractive Index	1.46

# BAG-IN-THE-LENS







Model (REF)	89A	89D	89F		
Indication	Adults Pediatrics	For short eyes (< 18.0 mm) and / or small white to white < 10.0 mm	or Combined cataract and vitrectomy procedures or in eyes with large pupils		
Total Major / Minor Axis Haptics	7.5 / 6.0 mm 6.5 / 5.25 mm		8.5 / 7.0 mm 7.5 / 6.0 mm		
Effective Optical Diameter	5.0 mm 4.5 mm		5.0 mm		
Standard Diopter Range	10.0 – 30.0 D (0.5 inc.)		10.0 – 30.0 D (0.5 inc.)		
On Request Diopter Range	-13.0 – 9.5 D (0.5 in c.) 30.5 – 35.0 D (0.5 in c.)	8.5 – 35.0 D (0.5 inc.)	8.5 – 9.5 D (0.5 inc.)		
Theoretical A-Con. (optical)	118.2	118.2	118.2		
Theoretical ACD (optical)	5.08 mm	5.08 mm	5.08 mm		
Material	Hydrophilic Acrylic	Hydrophilic Acrylic	Hydrophilic Acrylic		
Water Content	28.0 %	28.0 %	28.0 %		
Filter	UV-Filter	UV - Filter	UV-Filter		
Refractive Index	1.46	1.46	1.46		
Recommended Caliper Ring*1 for ACCC*2	REF 5 REF 4L (PED)	REF 4L	REF 5		
Features	Designed to prevent PCO in the visual field!				
Note	Surgeons must partake in prerequisite course before implantation!				
Security Advice	Due to the possibility of iris capture it is recommended to keep the pupil in myosis in the early postoperative period.				

<sup>\*1</sup> Gauge for Capsulorhexis | \*2 Anterior Continuous Curvolinear Capsulorhexis

# CALIPER RINGS



Model (REF)	4	4L	5	6	76E
Total Diameter	4.3 mm	4.8 mm	5.3 mm	6.3 mm	6.8 mm
Capsulorhexis Ø (Inner Diameter)	4.0 mm	4.5 mm	5.0 mm	6.0 mm	6.5 mm
Material	BLACK PEMA	BLACK PEMA	BLACK PEMA	BLACK PEMA	BLACK PEMA
Bag-In-the-Lens Model	-	REF 89D	REF 89A / 89F	-	-



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