1st Q Leading IOL solutions

Basis Z

hydrophobic

Single piece, sterile, foldable spheric hydrophobic acrylic intraocular lens (IOL) with UV blocker. The optic is monofocal. The IOL is available as non-preloaded IOL, which must be manually loaded into an compatible injector before implantation.

MATERIAL

Hydrophobic acrylic with UV blocker	
Refractive Index	1.47
Abbe Number	58

DESIGN

Optic Diameter Overall Diameter	6 mm	13 mm
Optic Design	Spheric - Aberration Neutral Biconvex (0.0 D → +35.0 D)	
Nominal A-constant	118.9	
Haptic Design	Posterior vaulting Z-haptic with 0° angulation	
PCO Prevention	360° sharp edge	
Shelf Life	5 years after sterilization	

INJECTION

Estimated Incision Size	2.2 - 2.4 mm
Recommended Injector	Compatibility chart available: 1stq.eu/compatibility/

CONSTANTS
for optical and immersion ultrasound measurements

SRK/T A-Constant	Haigis	Hoffer Q
A = 119.033*	a0 = 0.8751 a1 = 0.2659 a2 = 0.1416	pACD = 5.60

Holladay I	Barrett Universal II	Holladay II
SF = 1.809	LF = 1.90	ACD = 5.57

*Based on IOL Con 03.2023

The safety and performance of 1stQ IOLs have been tested in clinical investigations and the clinical data demonstrate that these IOLs meet the requirements of the state of the art.

MA-IOL-ZFLEX-MD107-DTS-EN 202608
Rev: 1077-V02-03/2026

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POWER RANGE

Article No. Clear	SEQ/Powers	Steps	Cylinders	Steps	Addition
B1AD00	0.0 D to +9.0 D	1.0 D	-	-	-
B1AD00	+10.0 D to +30.0 D	0.5 D	-	-	-
S1AD00	+31.0 D to +35.0 D	1.0 D	-	-	-

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