

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

A = 119.033*

Haigis

a0 = 0.8751
a1 = 0.2659
a2 = 0.1416

Hoffer Q

pACD = 5.60

Holladay I

SF = 1.809

Barrett Universal II

LF = 1.90

Holladay II

ACD = 5.57

*Based on IOL Con 03.2023

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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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Leading
IOL solutions

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