

Basis Z

hydrophilic

Single piece, sterile, foldable acrylic aspheric hydrophilic posterior chamber intraocular lens (IOL) with UV blocker, optionally with blue light filter. The optic is monofocal. The IOL is non-preloaded, which has to be manually loaded into a compatible injector before implantation.



MATERIAL

Copolymer of hydrophobic and hydrophilic monomers with 25% water content, UV blocker and optional blue light filter

Refractive Index

1.46

Abbe Number

58

DESIGN

Optic Diameter
Overall Diameter

6 mm

13 mm

Optic Design

Aspheric - Aberration Neutral
Convex-concave (-10.0 D → -1.0 D)
Biconvex (0.0 D → +45.0 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

1.8 - 2.2 mm

Recommended Injector

Compatibility chart available:
1stq.eu/compatibility/

CONSTANTS

for optical and immersion ultrasound measurements

SRK/T A-Constant

A = 118.943*

Haigis

a0 = 0.1657
a1 = 0.3113
a2 = 0.1631

Hoffer Q

pACD = 5.529

Holladay I

SF = 1.76

Barrett Universal II

LF = 1.85
DF = -1.0

Holladay II

ACD = 5.52

*Based on IOL Con 03.2023

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POWER RANGE

Article No. Clear	Article No. Yellow	SEQ/Powers	Steps	Cylinders	Steps	Addition
S1AW00	S1AWY0	-10.0 D to -1.0 D	1.0 D	-	-	-
B1AW00	B1AWY0	0.0 D to +9.0 D	1.0 D	-	-	-
B1AW00	B1AWY0	+10.0 D to +30.0 D	0.5 D	-	-	-
S1AW00	S1AWY0	+31.0 D to +45.0 D	1.0 D	-	-	-



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IOL solutions

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