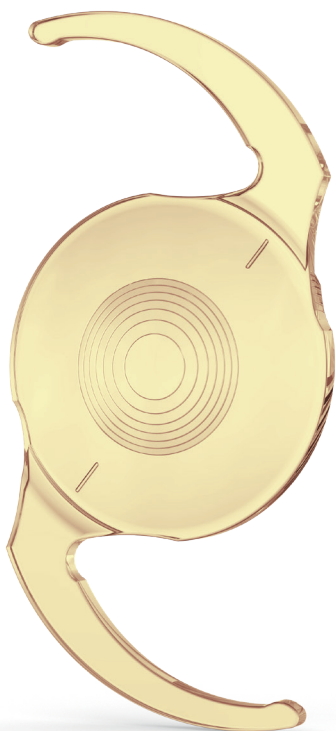


Basis Z

trifocal toric

Single piece, sterile, foldable acrylic aspheric hydrophilic posterior chamber intraocular lens (IOL) with UV blocker and blue light filter. The optic is trifocal toric, with 3 mm diameter diffractive array on the anterior surface utilizing EPS technology. 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 blue light filter

Refractive Index

1.46

Abbe Number

58

DESIGN

Optic Diameter
Overall Diameter

6 mm

13 mm

Optic design

Aspheric - Aberration Neutral
Biconvex (+10.0 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/](https://www.1stq.eu/compatibility/)

CONSTANTS

for optical and immersion ultrasound measurements

SRK/T A-Constant

A = 118.9

Haigis

a0 = 1.243
a1 = 0.4
a2 = 0.1

Hoffer Q

pACD = 5.46

Holladay I

SF = 1.67

Barrett Universal II

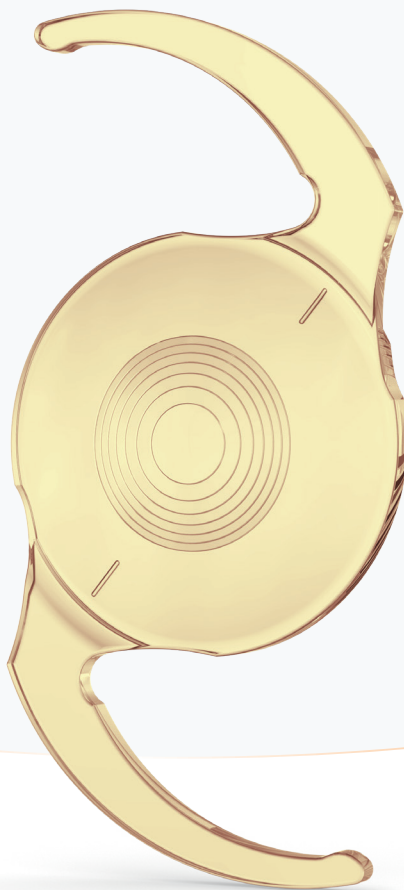
LF = 1.83

Holladay II

ACD = 5.49

Basis Z

trifocal toric



POWER RANGE

Article No. Yellow	SEQ/Powers	Steps	Cylinders	Steps	Addition
B1HWYN	+10.0 D to +30.0 D	0.5 D	1.00 D to 4.50 D	0.5 D	+3.5 D near +1.75 D intermediate
B1HWYN	+10.0 D to +30.0 D	0.5 D	5.25 D to 6.00 D	0.75 D	+3.5 D near +1.75 D intermediate
S1HWYN	+30.5 D to 35.0 D	0.5 D	1.00 D to 4.50 D	0.5 D	+3.5 D near +1.75 D intermediate
S1HWYN	+30.5 D to +35.0 D	0.5 D	5.25 D to 6.00 D	0.75 D	+3.5 D near +1.75 D intermediate

Please find the Cylinder calculator here: <https://www.1stq.de/en/iol-calculators/>



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