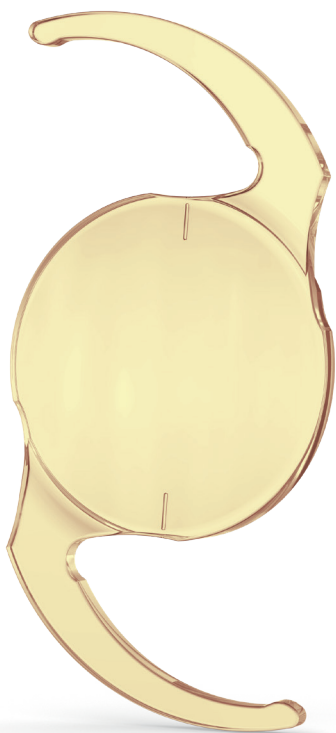


Basis Z

hydrophilic toric

Single piece, sterile, foldable acrylic aspheric hydrophilic posterior chamber intraocular lens (IOL) with UV blocker, with blue light filter. The optic is monofocal toric. 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
Convex-concave (-10.0 D → +5.0 D)
Biconvex (+5.5 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 = 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

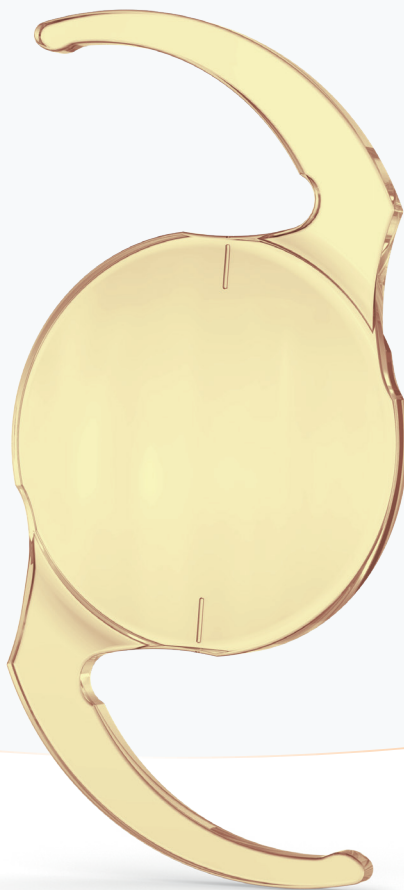
LF = 1.83; +5.5(DF)

Holladay II

ACD = 5.49

Basis Z

hydrophilic toric



POWER RANGE

Article No. Yellow	SEQ/Powers	Steps	Cylinders	Steps	Addition
S1TWYT	-10.0 D to -1.0 D	1.0 D	1.5 D to 4.50 D	0.75D	
B1TWYT	0.0 D to +9.0 D	1.0 D	1.5 D to 4.5 D	0.75 D	
B1TWYT	+10.0 D to +30.0 D	0.5 D	1.00 D	0.5 D	
B1TWYT	+10.0 D to +30.0 D	0.5 D	1.5 D to 4.5 D	0.75 D	
S1TWYT	+31.0 D to +35.0 D	1.0 D	1.50 D to 4.50 D	0.75 D	
S1TWY0	-10.0 D to +9.0 D	1.0 D	5.25 D to 8.25 D	0.75 D	
S1TWY0	+10.0 D to +30.0 D	0.5 D	5.25 D to 8.25 D	0.75 D	
S1TWY0	+31.0 D to +35.0 D	1.0 D	5.25 D to 8.25 D	0.75 D	
S1TWY0	-10.0 D to +9.0 D	1.0 D	9.00 D to 10.00 D	1.00 D	
S1TWY0	+10.0 D to +30.0 D	0.5 D	9.00 D to 10.00 D	1.00 D	
S1TWY0	+31.0 D to +35.0 D	1.0 D	9.00 D to 10.00 D	1.00 D	

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



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