1st Q Leading IOL solutions

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	Haigis	Hoffer Q
A = 118.943*	a0 = 0.1657 a1 = 0.3113 a2 = 0.1631	pACD = 5.529

Holladay I	Barrett Universal II	Holladay II
SF = 1.76	LF = 1.85 DF = -1.0	ACD = 5.52

*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-MD106-DTS-EN 202608
Rev: 1058-V02-03/2026

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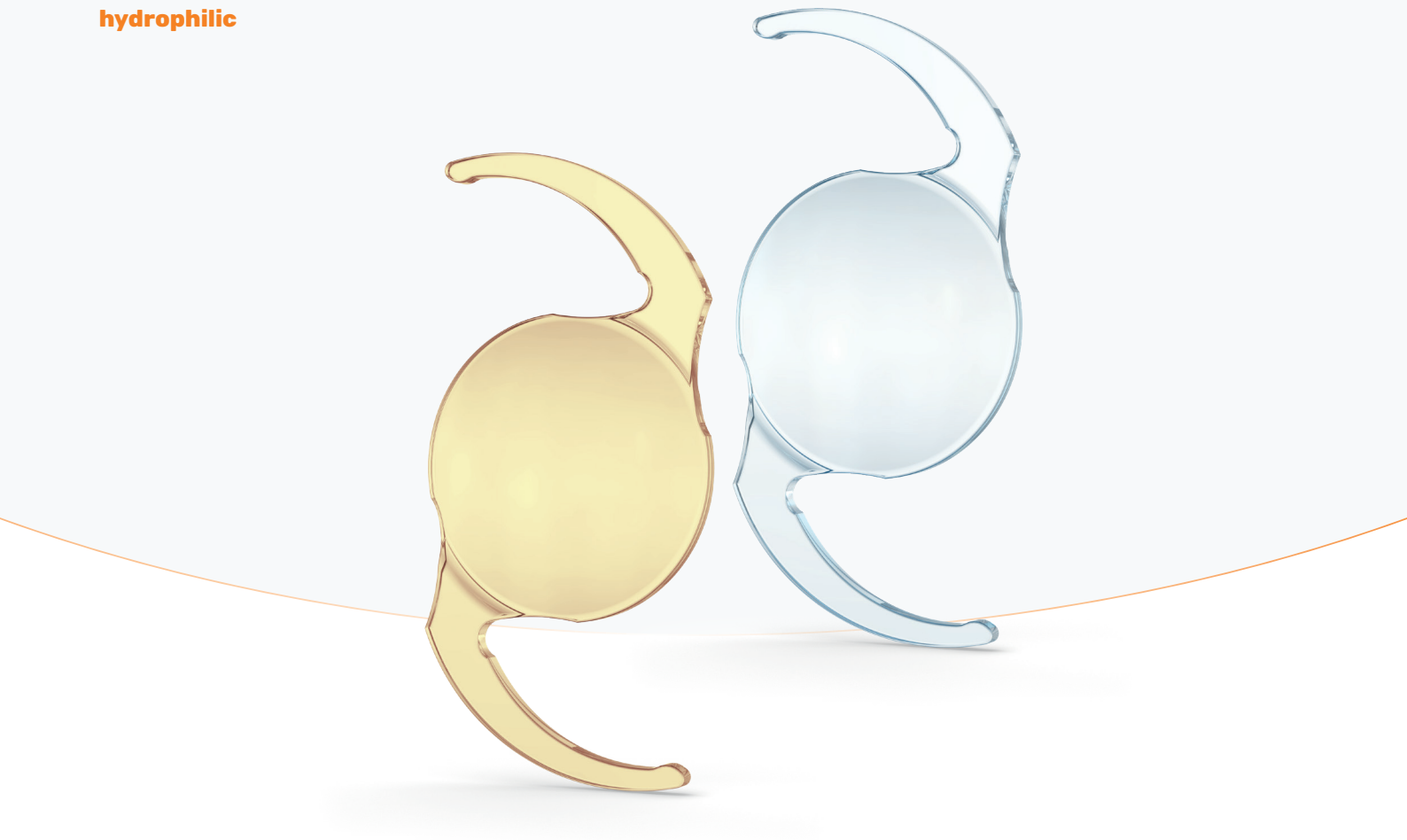

POWER RANGE

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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