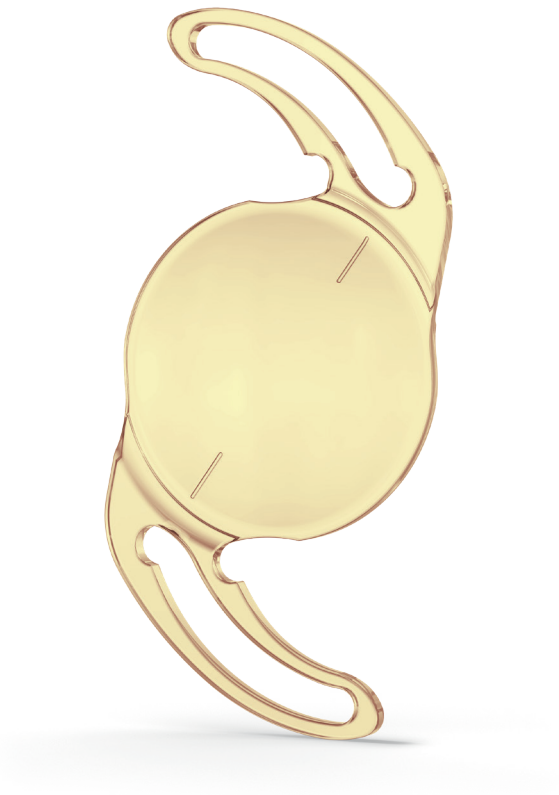
1st Q Leading IOL solutions

Basis B

hydrophobic toric preloaded

Single piece, sterile, foldable aspheric hydrophobic acrylic intraocular lens (IOL) with UV blocker, with blue light filter. The optic is monofocal toric. The IOL is available as part of a preloaded injector system.



MATERIAL

Hydrophobic acrylic with UV blocker and blue light filter	
Refractive Index	1.47
Abbe Number	58

DESIGN

Optic Diameter Overall Diameter	6 mm	13 mm
Optic Design	Aspheric - Aberration Neutral Biconvex (+10.0 D → +30.0 D)	
Nominal A-constant	118.9	
Haptic Design	Posterior vaulting C-loops with 0° angulation	
PCO Prevention	360° sharp edge	
Shelf Life	2.5 years after sterilization	

INJECTION

Estimated Incision Size	2.2 mm
Compatible Injector	POB-MA SINGLE-USE PRELOADED INJECTOR

CONSTANTS
for optical and immersion ultrasound measurements

SRK/T A-Constant	Haigis	Hoffer Q
A = 118.9	a0 = 1.32 a1 = 0.4 a2 = 0.1	pACD = 5.46

Holladay I	Barrett Universal II	Holladay II
SF = 1.7	LF = 1.83	ACD = 5.491

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-POBMA-MD116-DTS-EN 202608
Rev: 1078-V02-03/2026

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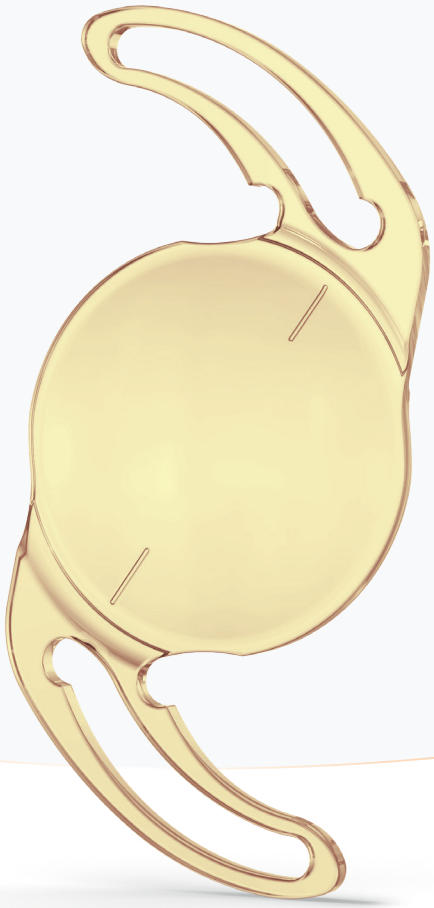

POWER RANGE

Article No. Yellow	SEQ/Powers	Steps	Cylinders	Steps	Addition
877PTY	+10.0 D to +30.0 D	0.5 D	1.0 D to 1.5 D	0.5 D	
877PTY	+10.0 D to +30.0 D	0.5 D	2.25 D to 6.00 D	0.75 D	

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

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