

i-stream hydrophilic series //

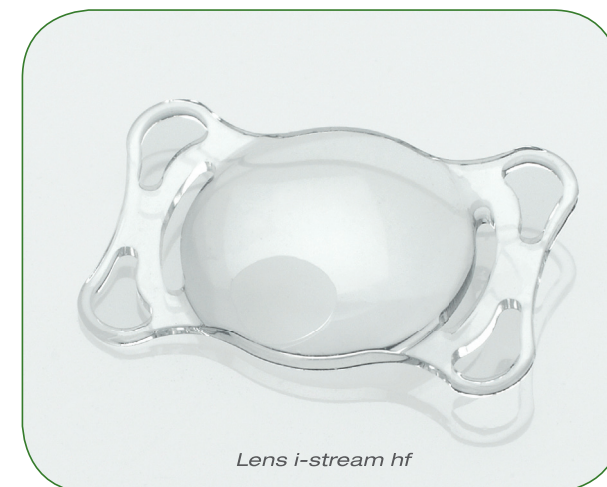




PREMIUM MATERIAL

i-stream hydrophilic series are produced from an ultra purified monomer acrylate with 25% water content:

- Elastic, soft and flexible material easy to handle
- The monomeric structure has high internal memory shape that guarantees fast recovery of geometry and IOL's optical characteristics after implantation
- Extreme biocompatible material with high UV rays absorption
- Blue filter



360° SQUARE EDGE

The key element of the success of **i-stream hydrophilic series** is the edge innovative design: 360° Square Edge

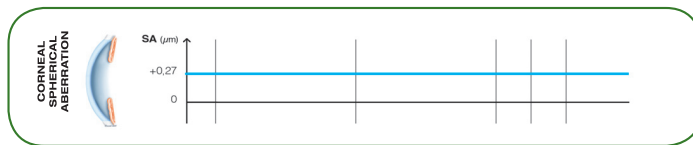
- Ensures better bonding between the capsular bag and posterior surface of the IOL strongly reducing the onset of PCO
- At the same diopter, IOL achieves less thickness of those built with standard square edge
- Facilitates the centering and the IOL's stability in the capsular bag



SPHERICAL ABERRATION: -0,26µm

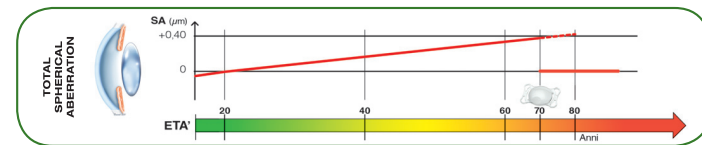
I-stream hydrophilic series design has been made to maximize your patient's visual performances.

The IOL has biconvex optic with a precise negative spherical aberration: -0,26µm. This amount is exactly needed to compensate the positive spherical aberration of the cornea, bringing back your patient's eye to ideal condition: the one of young and emmetropic eye.



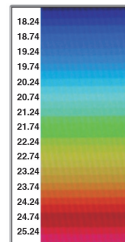
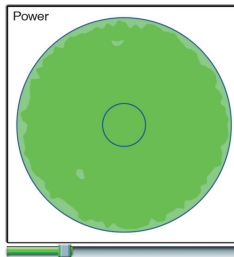
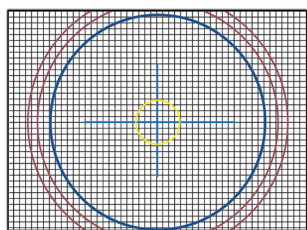
CORNEAL SPHERICAL ABERRATION

the mean CSA is +0,26µm, this value remains the same during life without significant variations. (Pupil Ø 6mm).



HUMAN LENS

modifies its spherical aberration during life, this value change from negative -0,26µm (20 years) to positive +0,13µm (70 years). (Pupil Ø 6 mm).



POWER

21.93

CYLINDER

-

AXIS

-

MTF

0.64

QUALITY CONTROL

Each **I-stream hydrophilic series** is singly checked, not only sample checked. At the end of the production process each **I-stream hydrophilic series** has to face a strictly quality control procedure in order to respect high standard quality. This procedure guarantees safety and success.

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Article:	ISP60HF/ISP60MF
Optical Diameter:	6 mm
Optical Design:	Biconvex
Haptic Total diameter:	11 mm
Haptic Design:	Plate Haptic piece
Haptic Angulation:	5°
Material:	Acrylic hydrophilic and UV filter (blue filter natural yellow ISP60MF)
Front surface profile:	Aspherical Edge to reduce diffractive
Rear surface:	360° Square Edge optics and loops
Injection:	From 1.8 to 2.8 mm with disposable injector
Recommended A Constant:	Recommended Ac. A Constant 118.2
Refractive index:	1.46
Diopter Range:	Aspheric: from 9.00D to 32.00D (0.50D increments) On request from 1.00 to 8.00 and from 32.00 to 40.00
UV Filter:	White UV cutoff <10% @ 370nm natural yellow (ISP60MF) UV Cutoff <2% 420 nm
Sterilization:	Steam

