

Mini Incision implantation

- Easy to fold and inject safely through an incision of 1.8 mm

Technical Specifications

Overall length 11 mm (9.5D and above); 11.5mm for lower D

Optic diameter 6.00 mm

Power range -10.00D – 8.00D (1.0D increments)

8.00 11.00 – 30.00 (0.5D increments)

30.00 – 35.00(1.0D increments)

Optic design Aspheric Bi convex design

Finish. Double Square Edge

Haptic angulations 5°

Material Hydrophilic Acrylic HEMA/EOEMA copolymer

with a UV and Violet Light Filter

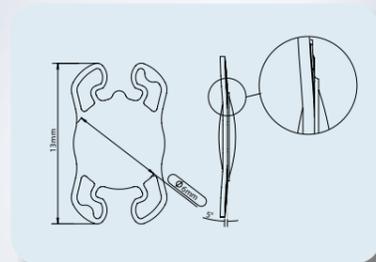
Refractive Index 1.46 (hydrated @ 35°C)

Y.A.G laser Compatible

A constant 118.9 Carl Zeiss IOL MASTER

118.56 US Biometry

Placement Capsular Bag or Sulcus



Hanita Lenses

Hanita Lenses is an Intraocular Lens and contact lenses manufacturer which is active in the Israeli domestic market and the global market since 1981.

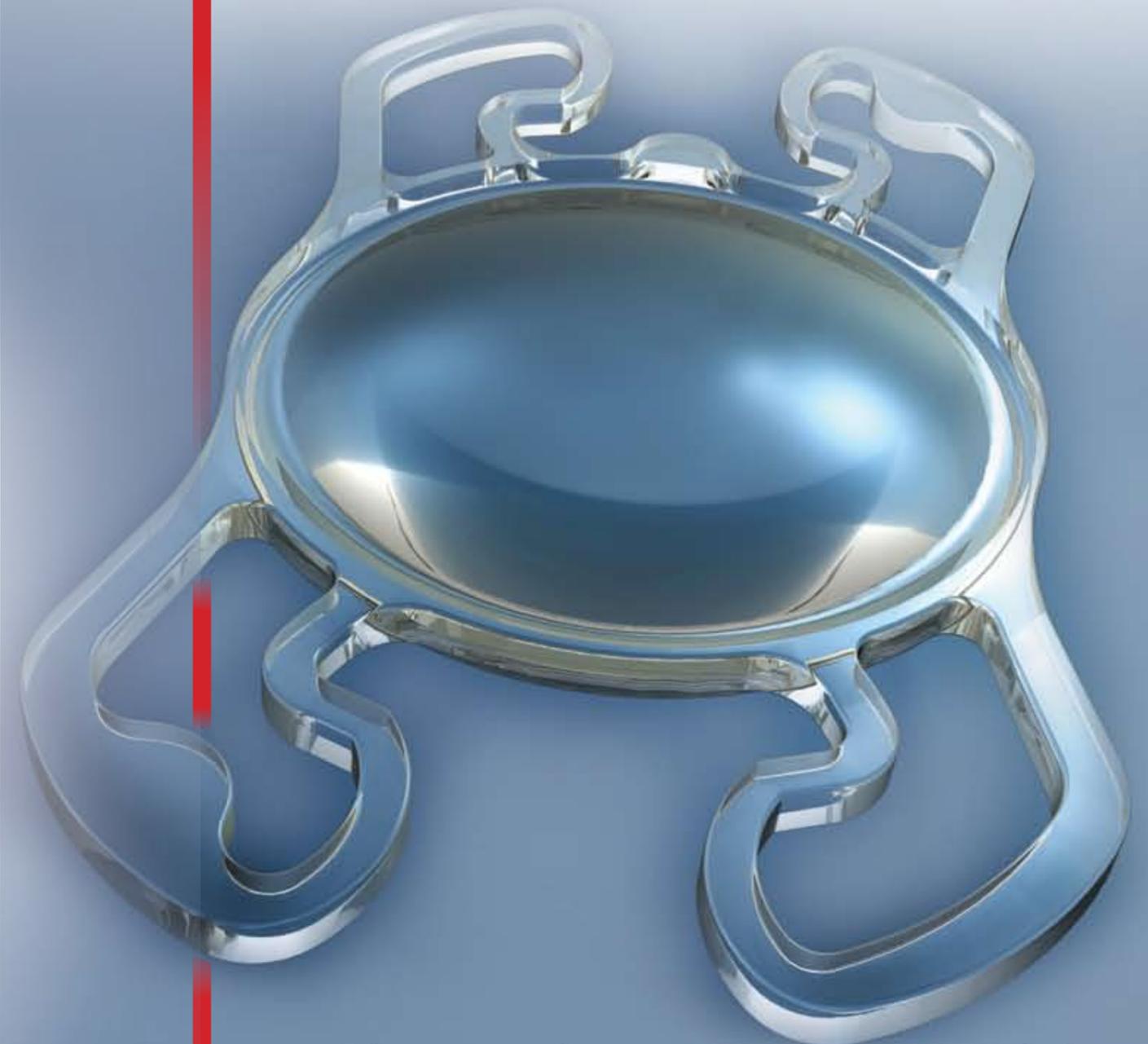
Hanita Lenses' strategy focuses on technology and innovative R&D, in order to keep the company as a dynamic leading player in the Medical Device Ophthalmic market.

The company holds high-end technologies and vast knowledge in the refractive and cataract surgery field.

BunnyLens AF

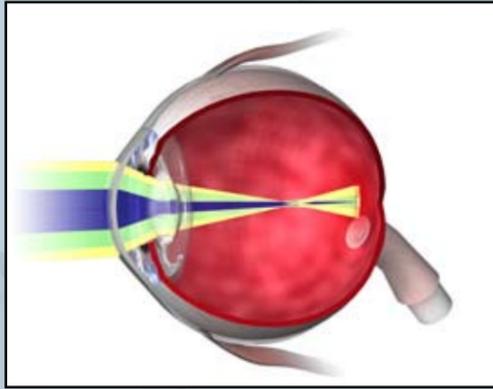
Providing Aberration Free Vision

Aspheric IOL Design using mini incision technique

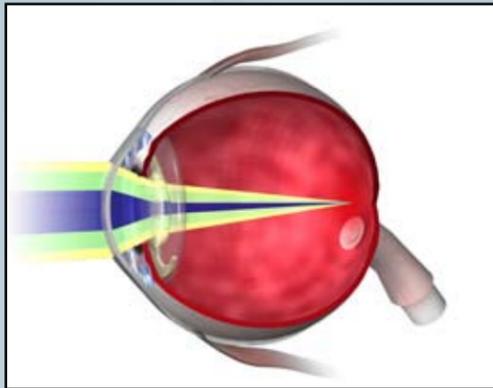


See for yourself

Spheric Lens
Spherical aberration



SeeLens AF
Abberation free



- **BunnyLens AF** reduces spherical aberration to minimum.
- **BunnyLens AF** improves functional vision
- **BunnyLens AF** improves night vision
- **BunnyLens AF** designed with the most advanced optical tools

BunnyLens AF, the new Aspheric Intraocular lens from Hanita Lenses, provides the patient with an excellent vision quality at day and night conditions, by using state-of-the-art aberration free aspheric optical design.

Advanced Optical Design

The aspheric BunnyLens AF was designed using the most advanced tools, by a professional R&D team of optical and mechanical engineers. The optical profile algorithm was calculated using ZEMAX™ software – a simulating tool for optimized optical design.

Calculations were aimed in order to minimize all aberrations, including the spherical aberration of the cornea, and to optimize the MTF (Modulated Transfer Function) of the IOL.

The BunnyLens AF is thinner than ever, being easily injectable through 1.8mm incisions at even high diopters when the IOL is usually too thick.

Eye Model

Optical design was performed using Arizona eye model. This advanced model is most suitable for IOL design, since it represents the eye anatomy with relation to age.

Hanita Lenses designed an aspheric surface IOL optimized for the aged patient. Thus, the result is an advantageous accurate simulation of the visual performance of the lens in a post-operative average eye.

Geometrical Design

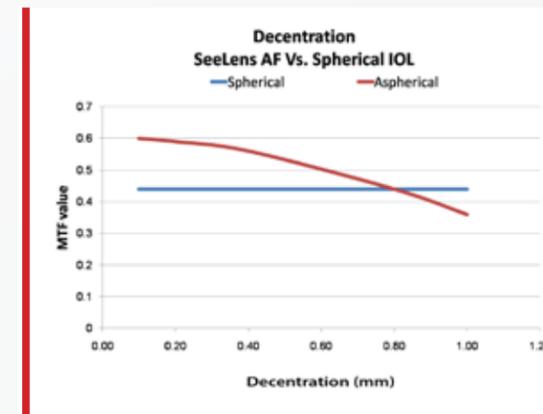
Geometrical design

- BunnyLens AF ensures excellent stability and centration due to four- point-fixated mechanical design of the haptics.
- 3600 double square edge in order to minimize PCO
- Excellent memory – slow gentle release, superior foldability

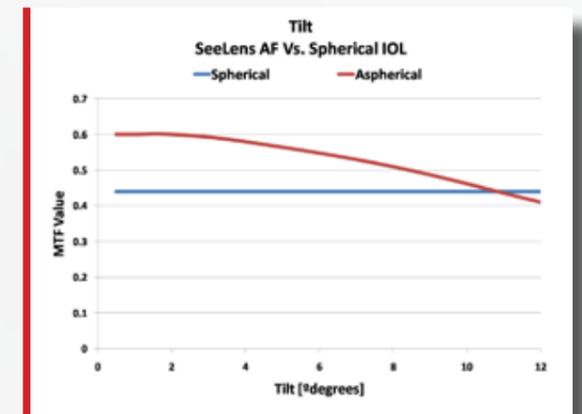
Image of the SeeLens AF square edge using SEM (X400) in a wet cell



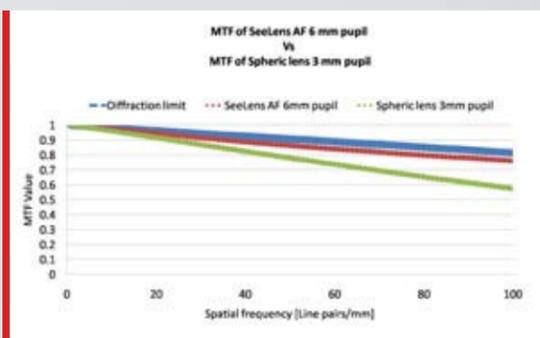
Stability and Centration



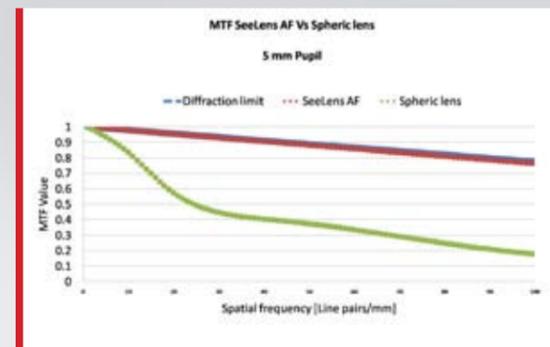
The BunnyLens AF design provides a visual advantage for patients over spherical lens even if decentered up to 0.8



The BunnyLens AF design provides a visual advantage for patients over spherical lens even if tilted up to 10 degrees



The BunnyLens AF provides excellent night vision, even better than daylight vision with a standard spherical IOL



The BunnyLens AF design provides excellent optical quality at night conditions, near the theoretical limit

Material

- The BunnyLens AF is made from hydrophilic acrylic HEMA/ EOEMA copolymer material with a UV and Violet Light Filter, having a proven excellent reputation and many years of clinical experience
- The BunnyLens AF is characterized by excellent biocompatibility and mechanical quality.