



HANITA
Lenses

INSIGHTFUL INNOVATION

Product Catalogue

Pushing the limits of intraocular implants for over 40 years



Hanita Lenses is a worldwide trusted manufacturer and provider of intraocular lens solutions for cataract surgery. With more than 40 years of experience in meeting the varied needs of ophthalmic surgeons, the Hanita Lenses name is synonymous with high quality, reliability, and service.



INNOVATION

IN-SIGHT-FUL unique technological solutions



EXPERTISE

Pushing the limits of intraocular implants for over 40 years



PARTNERSHIP

Advancing patient care through our partners in 40 countries



QUALITY

Developed in our state-of-the-art labs and manufactured to the highest quality standards



RELIABLE

Providing solutions based on strong clinical research and excellent user experience



TRANSPARENT

We believe that everyone deserves to see the world's beauty

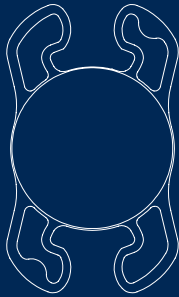
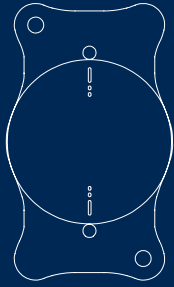
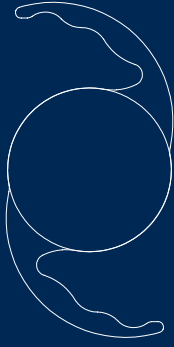


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Multifocal IOLs

Intensity

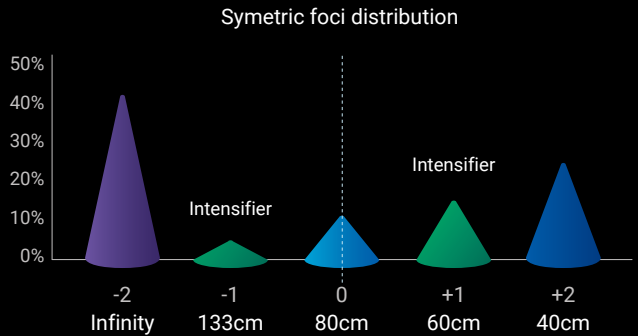


	Intensity SL	Intensity BN *	Intensity Toric *
Platform	C-Loop	4 - Loop	Plate Haptic
Overall Diameter	13 mm	11 mm	11 mm (>16D) 11.5 mm (≤16D)
Placement	Capsular Bag		
Optic diameter	6 mm		
Power range	10 to 30D (0.5D increments)		
Addition	Add powers: +3 and +1.5 in IOL plane for near and intermediate; and two additional focus intensifying diffractive orders providing the lens a greater efficacy		
Cylinder range	-		Powers 10-20.0: 1, 1.5, 2.25, 3.0 Powers 20.5-30.0: 1, 1.5, 2.25, 3.0, 3.75, 4.5
Optic design	Aspheric Multifocal Diffractive, DLU Technology		
360° Continuous Square Edge	Yes		
Haptic angulation	5°	0°	
Material	Hydrophilic acrylic with bonded UV absorber and violet light filter		
Refractive Index	1.46 (hydrated @ 35°C)		
A constant (SRK/T) for Optical or Immersion US biometry	118.4	118.4	117.45
A-constant (SKR/T) for Contact US biometry	118.1	118.1	117.1
Sterilization	Steam		

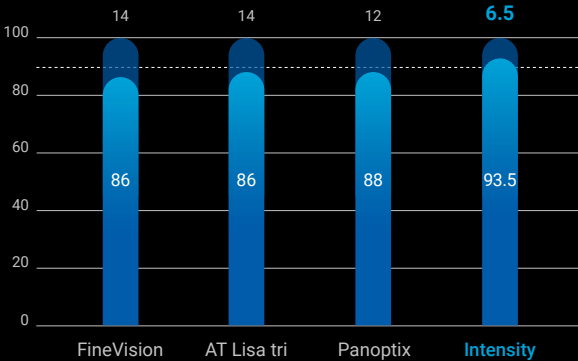
Vision Redefined

Optimal Light Distribution

Intensity is the first lens with a Symmetric foci distribution around the zero order. Based on a unique proprietary design developed using the Dynamic Light Utilization algorithm, the modulated transfer function (MTF) is increased in the area between far-intermediate and intermediate to near, enabling a continuous defocus curve.



Energy Utilization [%]



Maximum Light Utilization

The lens profile is highly energy efficient with 46% less energy lost in comparison to competing lenses, potentially decreasing visual disturbances and intensifying vision in patients' daily life.

Dynamic Light Utilization

Smooth lens profile

Optimal light distribution

Best light utilization

Continuous vision

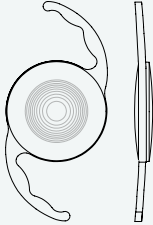
High quality

Minimal Side effects

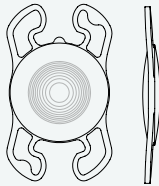
Multifocal IOLs

 FULLRANGE

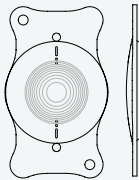
SeeLens MF *



* BunnyLens MF *



Vistor MF



* Available in preloaded configuration

	SeeLens MF	BunnyLens MF *	Toric MF
Platform	C-Loop	4 - Loop	Plate Haptic
Overall Diameter	13 mm	11 mm ($\geq 10D$) 11.5mm ($< 10D$)	11 mm ($> 16D$) 11.5 mm ($\leq 16D$)
Placement	Capsular Bag		
Optic diameter	6 mm		
Power range	0 to +30 (0.5D increments) +30 to +35 (1D increments)		+15 to +29.5 (0.5D increments)
Addition	Add power: +3		
Cylinder range	-		1
Optic design	Aspheric Multifocal Diffractive Apodized		
360° Continuous Square Edge	Yes		
Haptic angulation	5°		0°
Material	Hydrophilic acrylic with bonded UV absorber and violet light filter		
Refractive Index	1.46 (hydrated @ 35°C)		
A-constant (SKR/T) for Optical or Immersion US biometry	118.6	118.5	117.7
A-constant (SKR/T) for Contact US biometry	118.6	118.5	117.4
Sterilization	Steam		

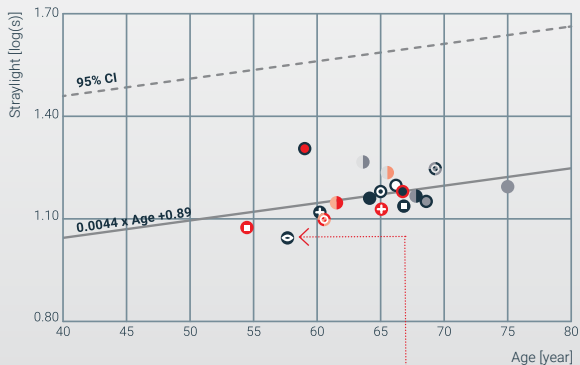
SEE Beyond With FullRange Optics

Lowest Straylight

Straylight research conducted using the FullRange lens shows that its straylight is the lowest tested in the industry.

This is due to the clarity of the lens, lack of glistening and the low refractive index of the lens material.

Reference: Grzegorz Labuz; J Cataract Refract Surg 2016; 42:618–625 Q 2016 ASCRS and ESCRS Comparison of ocular straylight after implantation of multifocal intraocular lenses; and Dr. Lapid-Gortzak R.; Refract Surg. 2015;31(11):746-751.] Straylight Measurements in Two Different Apodized Diffractive Multifocal Intraocular Lenses



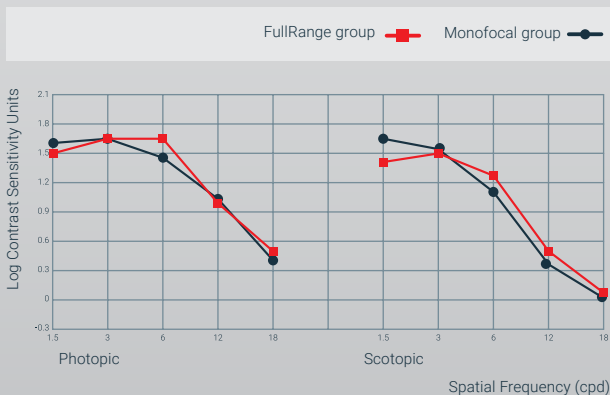
- ReSTOR SA60D3
- ⊖ ReSTOR SA6AD3
- Tecnis ZM900
- ReSTOR SN6AD1
- ⊖ ReZoom
- ReSTOR SA60D
- ReSTOR SA60D3
- ReSTOR SN6AD1
- ReSTOR SN6AD1
- ReSTOR SN6AD1
- Mplus LS-313
- AT Lisa 809M
- ReSTOR SA60D3
- Tecnis ZM900
- ReSTOR SN6AD
- ReZoom
- Mplus LS-313
- AT Lisa 809M

Contrast Sensitivity

Due to its Aspheric optical design profile, clinical results of the FullRange lens show superior contrast sensitivity leading to a contrast sensitivity comparable to a monofocal IOL as presented by Prof. J.L. Alio

Contrast sensitivity function comparison between groups. It shows comparison of the postoperative contrast sensitivity function in both groups of patients under photopic and scotopic conditions.

Reference: Prof. Alio J.L.; Clinical outcomes with a new microincisional diffractive multifocal IOL Eye and Vision (2015) 2:2 DOI 10.1186/s40662-015-0012-8

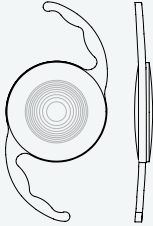


* Seelens MF / Bunnylens MF Easy. +3.00

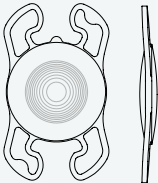
EDOF IOLs

Active

Active SL *



* Active BN EZ *



* Available in preloaded configuration

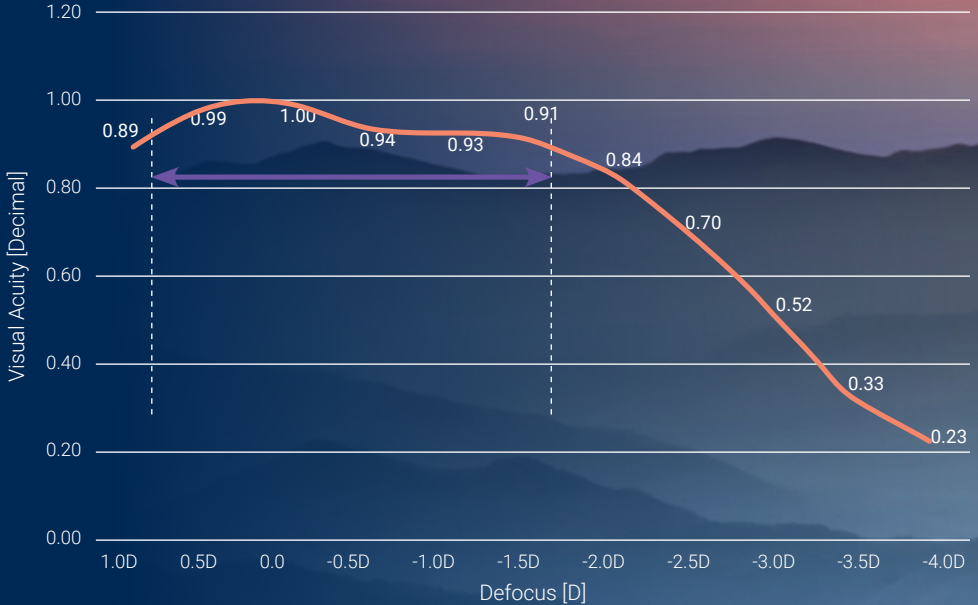
	Active SL	Active BN EZ *
Platform	C-Loop	4 - Loop
Overall Diameter	13 mm	11 mm ($\geq 10D$) 11.5mm ($< 10D$)
Placement	Capsular Bag	
Optic diameter	6 mm	
Power range	0 to +30 (0.5D increments) +30 to +35 (1D increments)	
Addition	Add power: 2.25	
Cylinder range	-	-
Optic design	Aspheric Multifocal Diffractive Apodized	
360° Continuous Square Edge	Yes	
Haptic angulation	5°	
Material	Hydrophilic acrylic with bonded UV absorber and violet light filter	
Refractive Index	1.46 (hydrated @ 35°c)	
A-constant (SKR/T) for Optical or Immersion US biometry	118.6	118.5
A-constant (SKR/T) for Contact US biometry	118.27	118.16
Sterilization	Steam	

Provide Your Patient With a Real EDOF Solution

The Active lens employs a diffractive pattern that allows your patient to be spectacle-free for both far and intermediate visual ranges.

Provide your patient with a real EDOF solution

The Active defocus curve



Study by Joon Hyun Kim MD, PhD; ESCRS 2018

Sharpest Square Edge

The novel manufacturing technology enables to achieve exceptionally sharp 360° square edge, proven to be effective against PCO along with a wide-angle contact with the capsular bag.

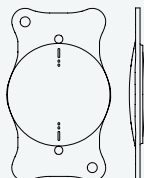


* Seelens MF / Bunnylens MF Easy +2.25

Toric IOLs

VisTor

* Vistor



* Available
in preloaded
configuration

Vistor	
Platform	Plate Haptic
Overall Diameter	11 mm ($\geq 16D$) 11.5mm ($< 16D$)
Placement	Capsular Bag
Optic diameter	6 mm
Power range (Spherical Equivalent)	0D to +40D (0.5D increments)
Cylinder Range	+1 to +10 (0.5D increments)
Optic design	Toric Aspheric
360° Continuous Square Edge	Yes
Haptic angulation	0°
Material	Hydrophilic acrylic with bonded UV absorber and violet light filter
Refractive Index	1.46 (hydrated @ 35°C)
A-constant (SKR/T) for Optical or Immersion US biometry	117.7
A-constant (SKR/T) for Contact US biometry	117.3
Sterilization	Steam

Advanced Optical Design

VisTor is a monofocal Aspheric toric IOL that provides a premium solution for cataract surgery.

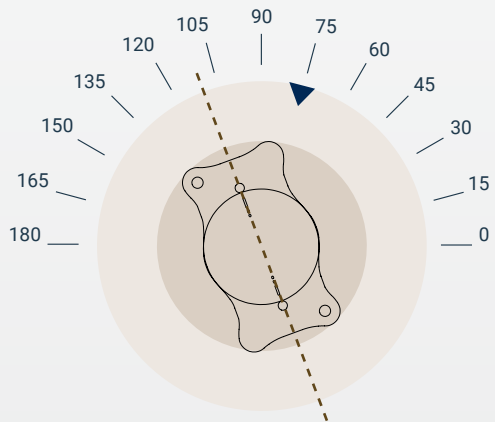
With VisTor, surgeons can both restore and improve on cataract-impaired vision by also correcting pre-existing refractive astigmatism.

VisTor provided in an extended range of powers and cylinders for each degree of astigmatism correction required.

- **Premium Toric Aspheric solution** for correction of astigmatism in cataract patients
- **Reduces** spherical aberration to a minimum
- **Improves** night vision
- **Designed** with the most advanced optical tools and models

VisTor IOL Calculator

Placement of the IOL is determined by the VisTor IOL Calculator, which uses an advanced formula based on Hanita Lenses' vast experience and data collected over many years by the company. The calculator is available at www.hanitalenses.com

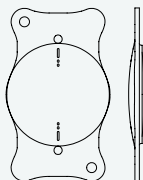


Incision Location: 75° **IOL Axis:** 113°

Toric IOLs

PerfecTor

* PerfecTor *



* Available in preloaded configuration

PerfecTor *	
Platform	Plate Haptic
Overall Diameter	11 mm ($\geq 16D$) 11.5mm ($< 16D$)
Placement	Capsular Bag
Optic diameter	6 mm
Power range	0D to +40.0D (0.5D increments)
	Cyl: 1.0D
Optic design	Toric Aspheric
360° Continuous Square Edge	Yes
Haptic angulation	0°
Material	Hydrophilic acrylic with bonded UV absorber and violet light filter
Refractive Index	1.46 (hydrated @ 35°C)
A-constant (SKR/T) for Optical or Immersion US biometry	117.7
A-constant (SKR/T) for Contact US biometry	117.3
Sterilization	Steam

Always - Address - Astigmatism

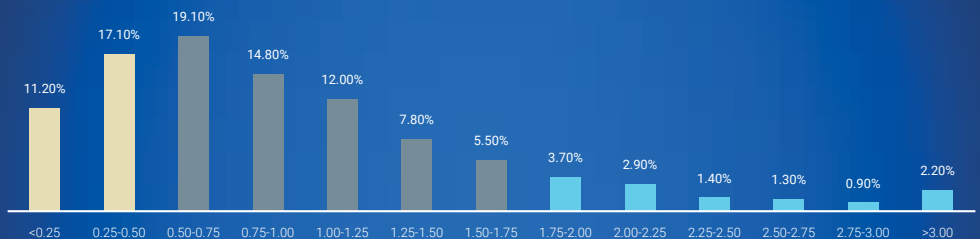
A³ PerfectTor

The PerfectTor is a monofocal aspheric toric IOL with cylinder 1, designed to provide a premium solution at affordable price for cataract surgery

The PerfectTor allows the surgeon to “Always Address Astigmatism”

The PerfectTor treats patients having 0.5D up to 1.75D of corneal astigmatism, the majority of patients (59.2%) are included in this group.

Prevalence of Corneal Astigmatism Prior to Cataract Surgery



Reference: n=6000, Warren E. Hill, MD Keratometry database

- Patients which do not need toric correction
- Patients to benefit from the PerfectTor
- Patients requiring a higher correction of Astigmatism using the VisTor Lenses.

GEOMETRICAL DESIGN

- PerfectTor ensures excellent stability and centration due to the plate design
- High level of rotational stability is achieved due to the wide angle of contact with the capsular bag

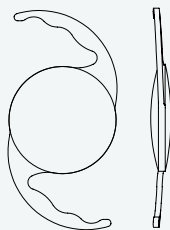


A 360° continuous square edge minimizes PCO.

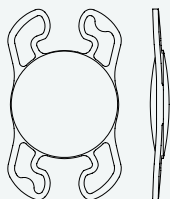
Monofocal IOLs

Aspheric HP IOLs

* SeeLens HP



* BunnyLens HP



* Available in preloaded configuration

	SeeLens HP *	BunnyLens HP *
Platform	C-Loop	4 - Loop
Overall Diameter	13 mm	11 mm (>10D) 11.5mm (≤10D)
Placement	Capsular Bag	
Optic diameter	6 mm	
Power range	+5.0 to +10.0 (1D increments) +10.5 to +30.0 (0.5D increments) +31.0 to +35.0 (1D increments)	
Optic design	Aspheric	
360° Continuous Square Edge	Yes	
Haptic angulation	5°	
Material	Hydrophobic acrylic with bonded UV absorber and violet light filter	
Refractive Index	1.48 (@ 35°C)	
A-constant (SKR/T) for Optical or Immersion US biometry	119	118.9
A-constant (SKR/T) for Contact US biometry	118.5	118.4
Sterilization	ETO	

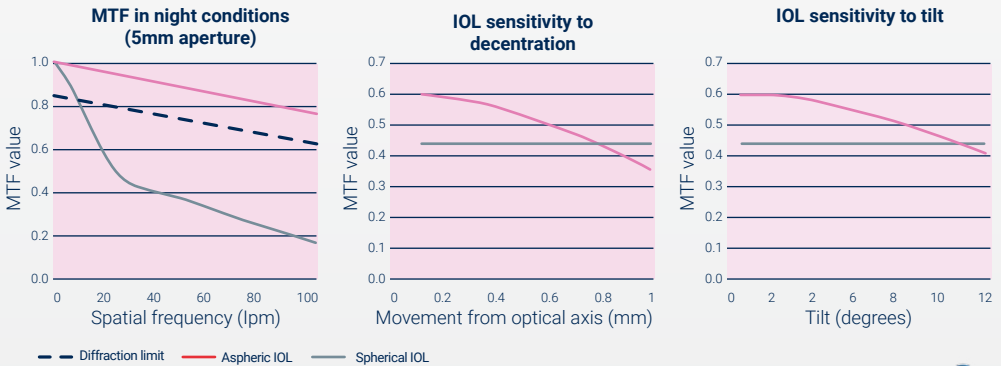
Providing Excellent Vision Quality For Your Patient

The Aspheric HP IOLs were designed by the most advanced optical tools to provide:

- reduced spherical aberration
- functional vision in night conditions

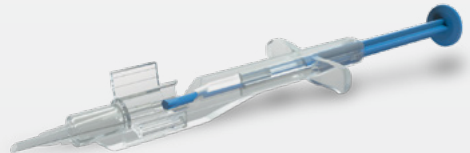
The Aspheric Hydrophobic lens from Hanita Lenses, provides the patient with an excellent vision quality at day and night conditions, by using state-of-the-art aberration free Aspherical optical design.

Stability and Centration



PRELOADED HYDROPHOBIC IOL SYSTEM

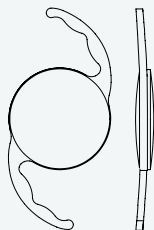
- Simplifying cataract surgery
- Ready for implant
- Smooth and EASY injection through a 2.2 mm incision



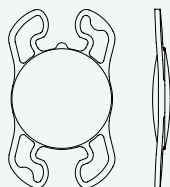
Monofocal IOLs

Aspheric AF IOLs

SeeLens AF



* BunnyLens AF



* Available in preloaded configuration

	SeeLens AF	BunnyLens AF
Platform	C-Loop	4 - Loop
Overall Diameter	13 mm	11 mm ($\geq 10D$) 11.5mm ($< 10D$)
Placement	Capsular Bag	
Optic diameter	6 mm	
Power range	-5.0 to +10.0 (1D increments) +10.0 to +30.0 (0.5D increments) +30.0 to +40.0 (1D increments)	-5.0 to +8.0 (1D increments) +8.0 to +30.0 (0.5D increments) +30.0 to +40.0 (1D increments)
Optic design	Aspheric	
360° Continuous Square Edge	Yes	
Haptic angulation	5°	
Material	Hydrophilic acrylic with bonded UV absorber and violet light filter	
Refractive Index	1.46 (hydrated @ 35°C)	
A-constant (SKR/T) for Optical or Immersion US biometry	118.9	118.5
A-constant (SKR/T) for Contact US biometry	118.56	118.16
Sterilization	Steam	

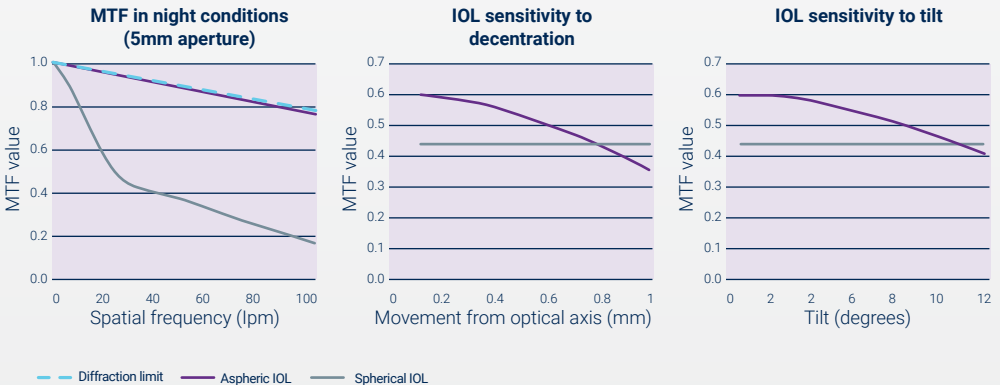
Providing Aberration Free Vision

The Aspheric AF IOLs are made of a hydrophilic acrylic material, with proven reputation and many years of clinical experience.

- The IOLs are characterized by excellent biocompatibility and mechanical quality
- The IOLs material incorporates a violet filtering chromophore for better protection of the retina.

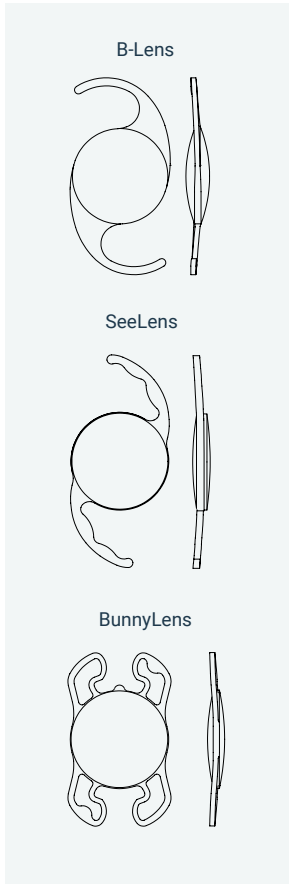
The Aspheric AF lens from Hanita Lenses, provides the patient with an excellent vision quality of day and night conditions, by using state-of-the-art aberration free aspheric optical design.

Stability and Centration



Monofocal IOLs

Spheric IOLs



	B-Lens	SeeLens	BunnyLens
Platform	C-Loop	C-Loop	4 - Loop
Overall Diameter	12.5 mm	13 mm	11 mm ($\geq 10D$) 11.5 mm ($< 10D$)
Placement	Capsular Bag		
Optic diameter	6 mm		
Power range	+1.0 to +8.0 (1D increments)	0 to +8 (1D increments)	
	+8.0 to +30.0 (0.5D increments)		
	+30.0 to +40.0 (1D increments)		
Optic design	Spheric		
360° Continuous Square Edge	No	Yes	
Haptic angulation	5°		
Material	Hydrophilic acrylic with bonded UV absorber		
Refractive Index	1.46 (hydrated @ 35°C)		
A-constant (SKR/T) for Optical or Immersion US biometry	118.5	118.6	118.54
A-constant (SKR/T) for Contact US biometry	118.2	118.26	118.2
Sterilization	Steam		

Robust performance

Attributes

- The IOLs are made of hydrophilic acrylic material, with a proven reputation and many years of clinical experience.
- 360° continuous square edge
- Effectively filters UV radiation
- Yag Laser compatible
- Easy to fold and inject through an incision of 2.4mm



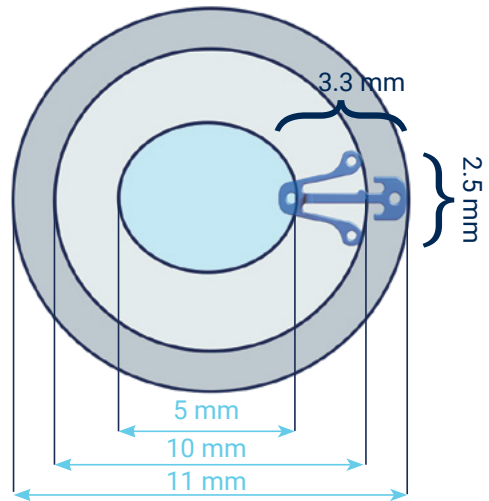
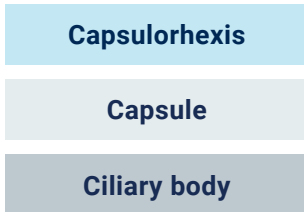
Accessories

AssiAnchor

Attributes

- Hanita Lenses upgraded capsular anchor device
- Securing the capsular bag to the scleral wall
- Enables cataract surgery for subluxated lens
- Centers subluxated capsule
- Provides a wide contact between the device and the anterior capsule
- CE approved

Capsule, Sulcus^{1,2} and AssiAnchor dimensions



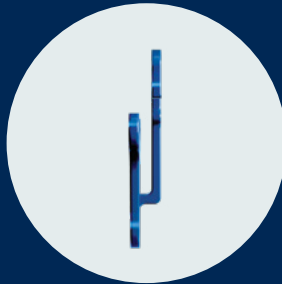
Specifications

Material: Blue tinted PMMA

YAG laser: compatible

Developed with Prof. E.Assia, Israel

Upgraded Capsular Anchor Device



Ref 1,2

1. Assia E.I., Apple D.J.: Side-View Analysis of the Lens. Part 1: The Crystalline Lens and the Evacuated Bag Arch. Ophthalmol. 1992; 110: 89-93.
2. Assia E.I., Apple D.J.: Side-View Analysis of the Lens. Part 2: Positioning of Intraocular Lenses. Arch. Ophthalmol. 1992; 1 10: 94-98.



Advancing patient care
through our distributors
in **40 countries**



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