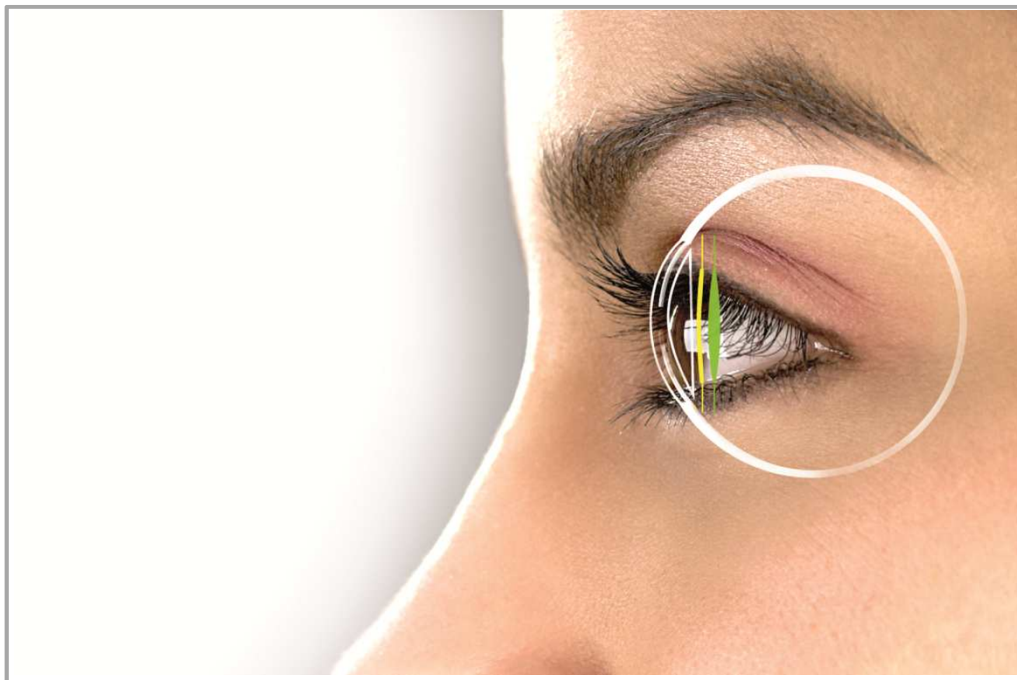
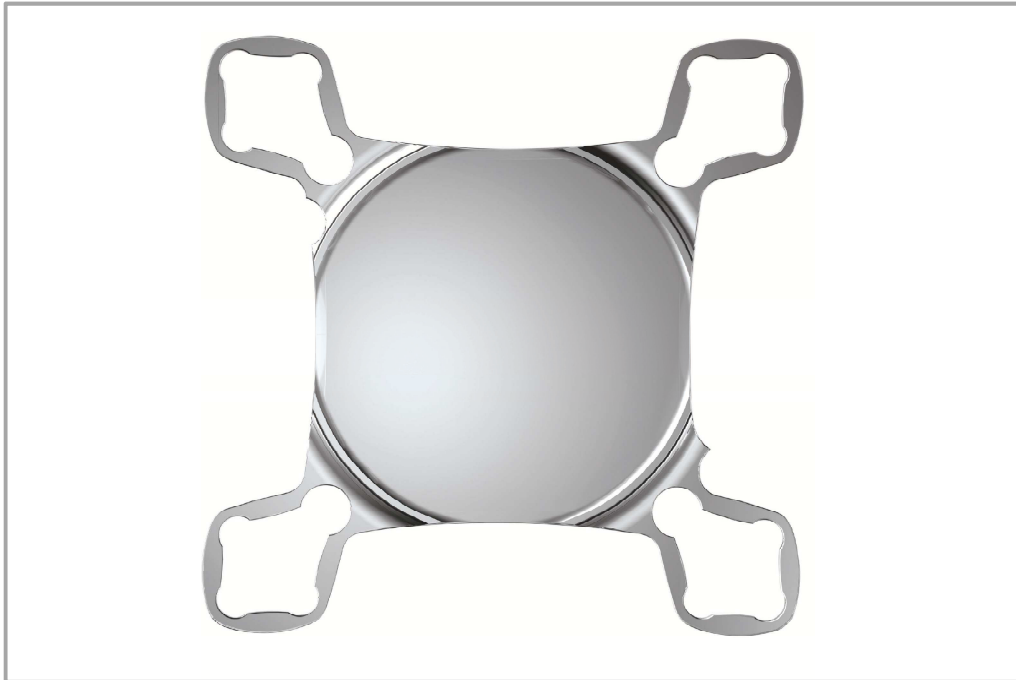
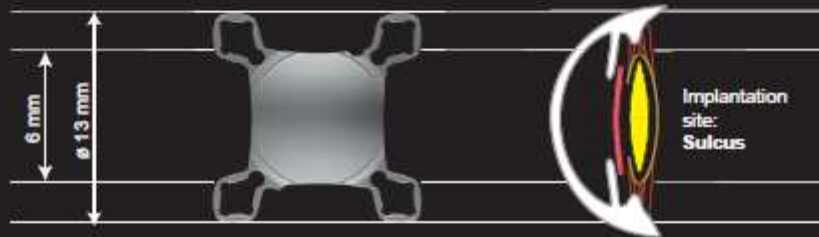


## Handling instructions



**functional**

## AddOn<sup>®</sup> refractive



### Q functional

ONV function\*

Artificial lens function

Distant function

Basis function

### Features

One piece, foldable intraocular lens (IOL), biocompatible hydrophilic acrylic (25% water content), as additional IOL in combination with a Basis IOL.

- Convex/concave optic ▶ Cell stop/no IOL touch
- 4 flex-haptics ▶ Sulcus fit
- Non torque design ▶ Rotational stability
- Square design ▶ No iris capture

Optical power (spherical equivalent):



AddOn <sup>®</sup> refractive	SEQ	Steps
A4SW00	-10.0 D to +10.0 D	0.25 D

\*ONV functions: All functions of the human eye which are required to achieve optimal natural vision (ONV) "without glasses" (see rear page)

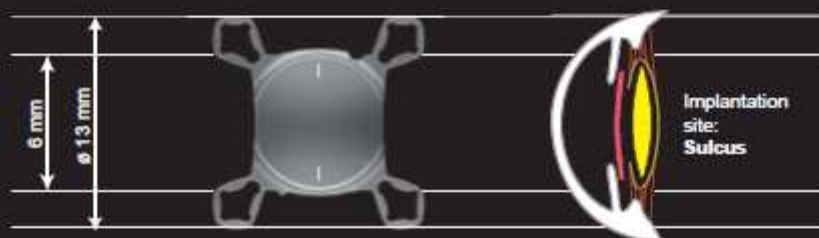
CE 0482



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## AddOn<sup>®</sup> toric



### Q functional

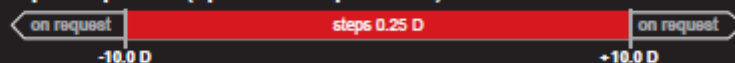
ONV functions*	Artificial lens functions
Distant function	Basis function (optional)
Imaging function	Cylinder function

### Features

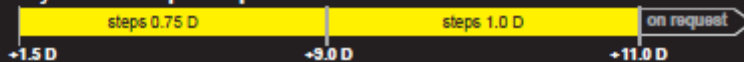
One piece, foldable intraocular lens (IOL), biocompatible hydrophilic acrylic (25% water content), as additional IOL in combination with a Basis IOL

- Convex/concave optic ▶ Cell stop/no IOL touch
- 4 flex-haptics ▶ Sulcus fit
- Non torque design ▶ Rotational stability
- Square design ▶ No iris capture

### Optical power (spherical equivalent):



### Cylindrical optical power:



AddOn <sup>®</sup> toric	SEQ	Steps	Cylinder	Steps
A4TW0T	0.0 D		1.50 D to 4.50 D	0.75 D
A4TW00	0.0 D		5.25 D to 8.25 D	0.75 D
A4TW00	0.0 D		9.00 D to 11.00 D	1.00 D
A4FW0T	-10.0 D to +10.0 D	(without 0.00 D)	1.50 D to 4.50 D	0.75 D
A4FW00	-10.0 D to +10.0 D	(without 0.00 D)	5.25 D to 8.25 D	0.75 D
A4FW00	-10.0 D to +10.0 D	(without 0.00 D)	9.00 D to 11.00 D	1.00 D

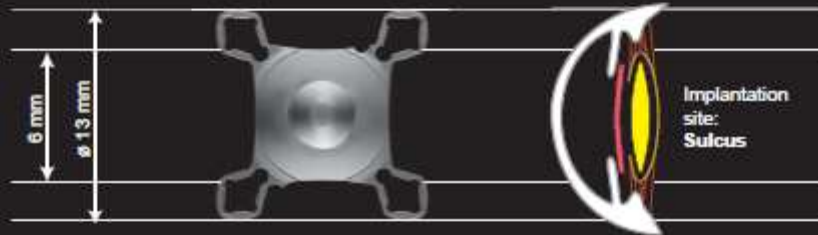
\*ONV functions: All functions of the human eye which are required to achieve optimal natural vision (ONV) "without glasses" (see rear page)



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## AddOn<sup>®</sup> progressive



### Q functional

ONV functions*	Artificial lens functions
Distant function	Basis function (optional)
Near-intermediate function	Progressive function

### Features

One piece, foldable intraocular lens (IOL), biocompatible hydrophilic acrylic (25% water content), as additional IOL in combination with a Basis IOL

- Convex/concave optic ▶ Cell stop/no IOL touch
- 4 flex-haptics ▶ Sulcus fit
- Non torque design ▶ Rotational stability
- Square design ▶ No iris capture

**Addition +3.0 D**

Optical power (spherical equivalent):



AddOn <sup>®</sup> progressive	SEQ	Steps	Addition
A4DW0N	0.0 D		+3.0 D
A4EW0N	-3.0 D to -0.5 D	0.25 D	+3.0 D
A4EW0N	+0.5 D to +3.0 D	0.25 D	+3.0 D

\*ONV functions: All functions of the human eye which are required to achieve optimal natural vision (ONV) "without glasses" (see rear page)



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## General description



### 1stINJECT Instrument

For implantation use the 1stInject 2.0 HB instrument and for toric AddOn with cylinder > 6,0 dpt use the 1stInject 2.4 HB instrument.



**AddOn® refractive:** Refractive IOLs are intended to correct spherical residual refraction error. AddOn refractive IOLs are available from -10.0 to +10.0 diopters in 0.25 diopter increments. Non-standard powers are available upon request.



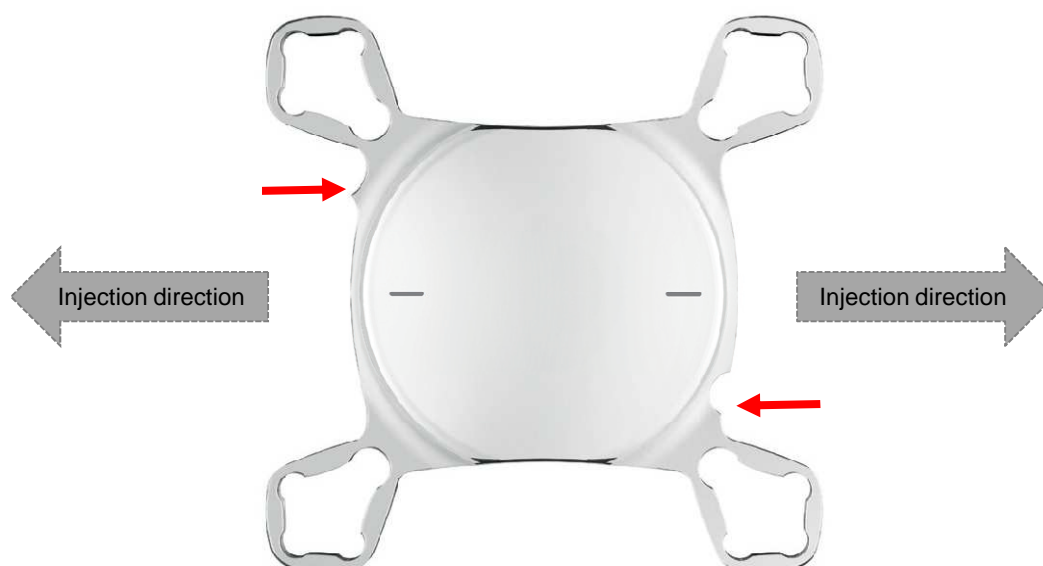
**AddOn® progressive:** Progressive IOLs are intended to provide far, intermediate and near vision capabilities and to correct spherical residual refraction error when needed. AddOn progressive IOLs are available from -3.0 to -0.5, with 0.0 and from +0.5 to +3.0 diopters in 0.25 diopter increments and provide added power equivalent to 3.0 diopters at the IOL plane.



**AddOn® toric:** Toric IOLs are intended to provide adjustments for astigmatism and to correct spherical residual refraction error when needed. AddOn Toric IOLs are available from -10.0 to +10.0 diopters (spherical equivalent) in 0.25 diopter increments, with +1.5 to +9.0 diopter cylinder additives in 0.75 diopter increments and with +9.0 to +11.0 diopter cylinder additives in 1.0 diopter increments. Non-standard powers are available upon request

## Positioning of the IOL in the cartridge

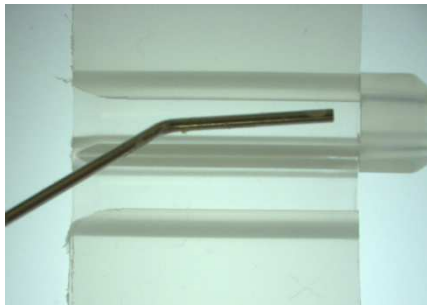
The correct anterior/posterior positioning of the IOL is ensured when the markings at the edge of the optics (see red arrows in figure) are at 4 and 10 o'clock.



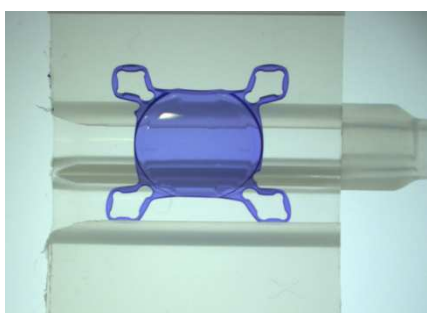
Toric AddOn IOL have two additional opposing fine lines on the optics to indicate the axis of the plus cylinder of the lens.



## Loading the cartridge

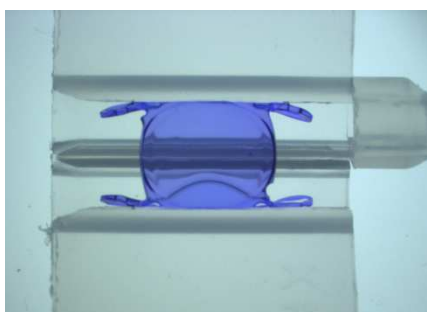


Open the loading chamber flap fully to 180° and apply a commercially available viscoelastic inside the nozzle and to both grooves of the loading chamber.




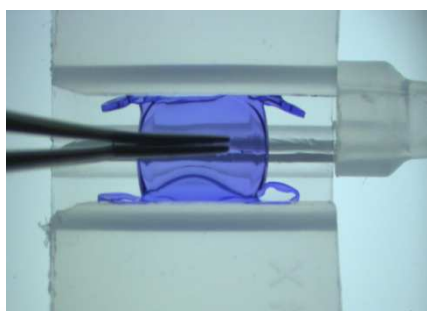
AddOn® stained blue for visualization

Position the AddOn in the cartridge: the markings at the optic edges should be at 4 and 10 o'clock.



AddOn® stained blue for visualization

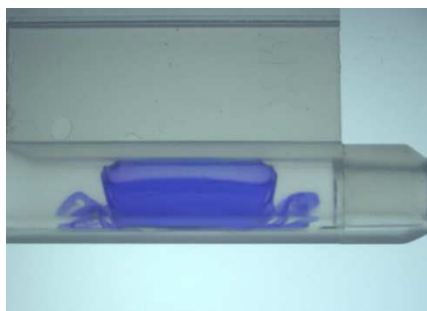
Position the lens in the loading chamber vertically in a “reverse-U” configuration:  Ensure that the edges of the haptics are securely positioned under the guiding rim and not twisted.



AddOn® stained blue for visualization

With forceps hold the lens in position to ensure that the edge of the optic is securely positioned under the rim of the flap. Ensure the haptics and optic are completely within the loading chamber. Whilst keeping the lens in position with closed forceps, carefully close the flaps of the cartridge ensuring that no part of the optic or haptics are trapped.

## Injection of IOL



AddOn® stained blue for visualization

Visually observe that the lens is symmetrically folded within the loading chamber.



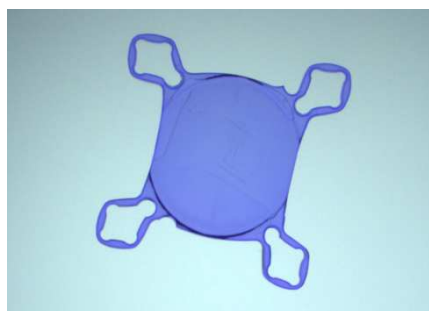
AddOn® stained blue for visualization

Insert the cartridge into the injector. Advance the plunger in a slow controlled manner. Anticipate an initial slight resistance. Excessive resistance could indicate a trapped lens.



AddOn® stained blue for visualization

Observe that the lens stays symmetrically folded within the nozzle. Continue injection in a slow and controlled manner. Do not use too much pressure.



AddOn® stained blue for visualization

The plunger should be pushed continuously. When the lens exits completely the nozzle, stop pushing the plunger.



## Implantation of IOL

The surgeon should ensure that the lens is implanted into the ciliary sulcus with the correct anterior/posterior orientation (see „positioning of the IOL in the cartridge“ on page 6). Correct placement is achieved when the IOL can most easily be rotated as is usual for posterior chamber IOLs.

When using a toric IOL it is necessary to exactly align the axis of the IOL. The flat axis of the IOL is marked with two fine lines (see „positioning of the IOL in the cartridge“ on page 6). These mark the plus cylinder axis of the IOL, which corrects the corneal astigmatism. These marks of the IOL have to be aligned precisely with the steep axis of the cornea, which needs to be marked before starting the surgery.

After removing the viscoelastica correct the position of the markings.