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TECHNICAL SPECIFICATIONS

REVERSO®

DESIGNATION	TECHNICAL SPECIFICATIONS
Lens type	For implantation in the ciliary sulcus, in pseudophakic patients
Material	Hydrophilic acrylic 25 %
Design	One-piece spherical with 360° round edge Open-loop haptics
Optic diameter	6,50 mm
Overall diameter	13,80 mm
Angulation	10°
Optic design	Convex anterior surface Concave multifocal diffractive posterior surface
Multifocal features	Light distribution : 65% far - 35% near Step apodization : from Ø 3.0 mm to Ø 4.5 mm
Dioptric powers	Standard : 0.0 D Upon request : from - 3.0 D to + 3.0 D (by 0.5 D)
Near addition	+ 3.00 D (on the IOL)
A-Constant	Not applicable
Refractive index	1,46
Sterilization	Steam sterilization
Recommended incision size	1,8mm – 2,0mm

Edition 28/06/2013 DOC_4_PHILIC

This technical sheet is to be used by health professionnals. The sheet and the labelling of every product contain the necessary information for the good use of the product. The instructions written must be thoroughly read. This intraocular lens is medical device class IIb.
Registration number :12/12/cristalens/PM/002
Organism notified : LNE/G-MED

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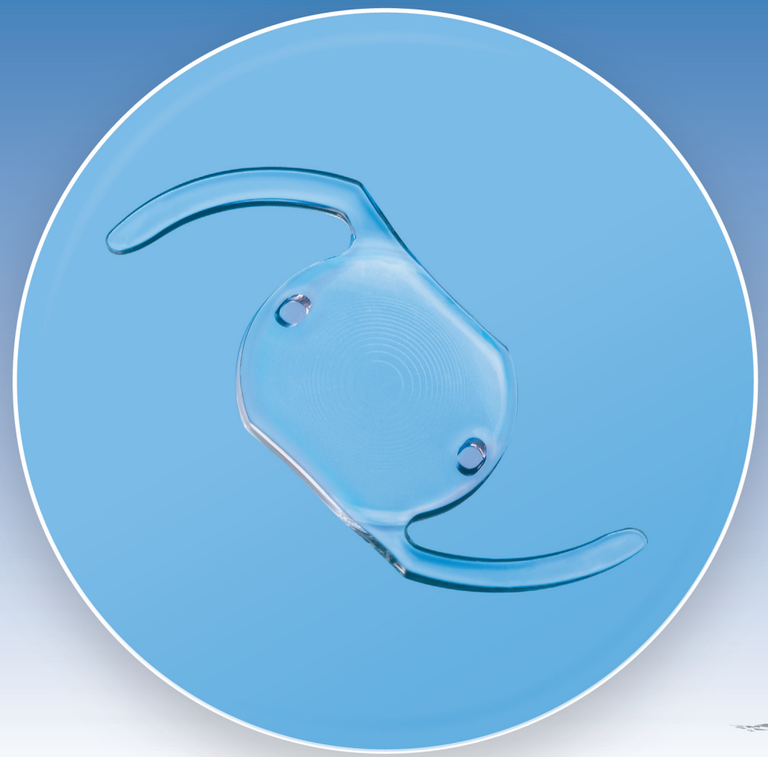
MULTIFOCAL INTRAOCULAR LENS

REVERSO®

HYDROPHILIC ACRYLIC

Correction of presbyopia for pseudophakic patients



Made in France
CE 0459

Cristalens
Ophthalmologic surgery

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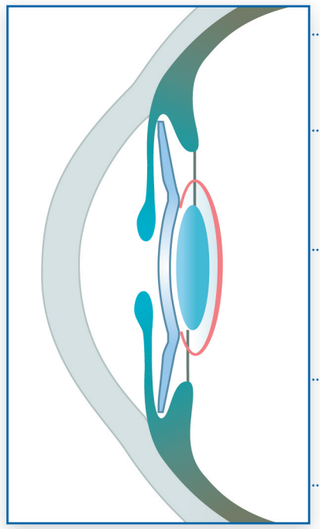
REVERSO®

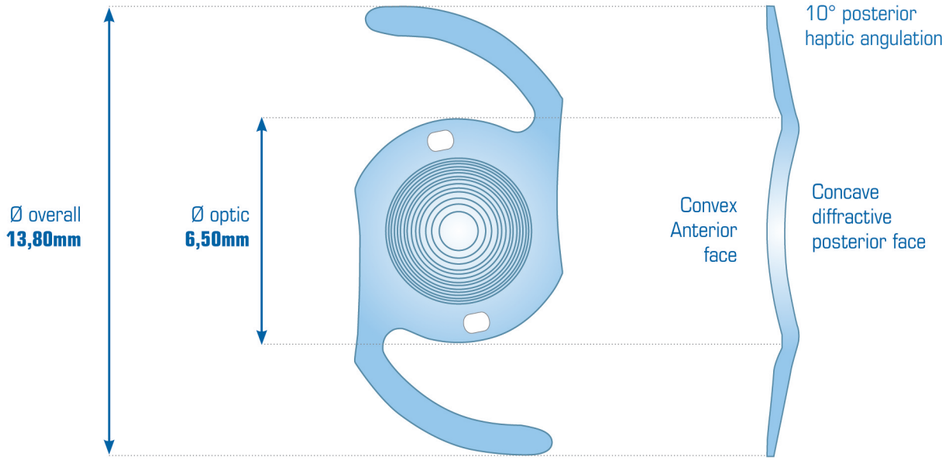
Choose a **multifocal lens** to correct presbyopia, **whenever YOU want.**

A design fitting the sulcus

For a safe implantation, respecting the anatomy
and ensuring optimum performances.

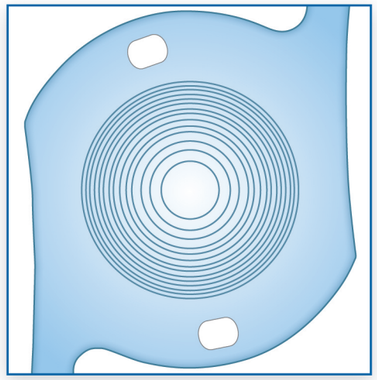


- Non invasive surgery with micro-incision **≤ 2 mm**.
- **Rounded haptics** respecting the sulcus' anatomy.
- **10° posterior haptic angulation**, optic diameter of 6,50mm and 360° round edge to avoid pupillary capture or any irritation of the iris.
- An overall diameter of **13.80mm** adapted to the sulcus size.
- **A concave posterior face** ensuring in between the Iols and a perfect centering with the capsular bag Iol.



Multifocality safely and confidently

Choosing a multifocal lens should not be a dilemma.
Because it is never too late to change your mind,
you can now correct presbyopia at any time.

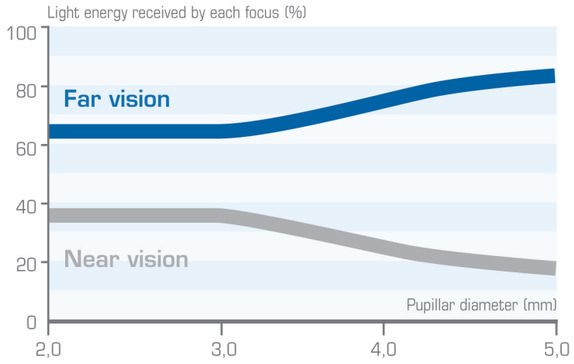


Every cataract surgery in which the cristalin is replaced by a monofocal implant is tantamount to **postoperative presbyopia**.

Thanks to the Reverso® IOL, spectacle **independence is now a reality**, even after choosing a monofocal lens.

The Reverso® IOL is the result of Cristalens'own R&D team, making it the **1st hydrophilic multifocal and diffractive lens** to be implanted in the ciliary sulcus, on top of a monofocal lens located in the capsular bag.

For a bifocal implant, the distance of near vision is determined by the addition. With an addition of +3,0D, accounting for a sight distance of 40cm to 50cm, the Reverso® IOL enable vision without correction at **every useful distances of the everyday life**.



- **The energy distribution** is adjusted to the pupillar diameter so that the addition of a near vision does not jeopardize the quality of distance vision.
- The far focus receives between 60% and 80% of the light energy and the near focus from 40% to 20%, so as to **avoid the perception of halos in low light conditions**.

The Reverso® IOL does not cause any additional spherical aberration. Therefore the lens located in the bag accounts for the correction of its own spherical aberrations and of the corneal aberrations.