

PhysIOL

ADVANCED OPTICAL SOLUTIONS

DOUBLE C-LOOP TECHNOLOGY

by PhysIOL

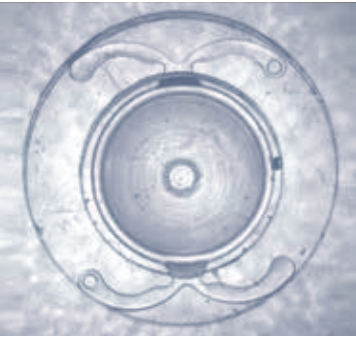
Innovative
IOL platform

When
stability
becomes
reality

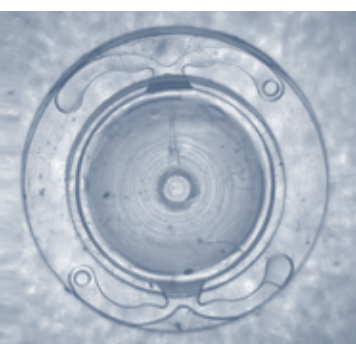
DOUBLE C-LOOP TECHNOLOGY

by PhysiOL

Innovative IOL platform



10 mm



9 mm

Double C-loop platform features

The double C-loop by PhysiOL is an innovative platform that was developed in 2010 to ensure perfect refractive and rotational IOL stability.

Its characteristics:

- easy injection and perfect maneuverability during implantation thanks to the symmetric design;
- perfect stability thanks to 4 fixation points;
- optimal rotational stability thanks to 4 open loops.

Refractive platform stability

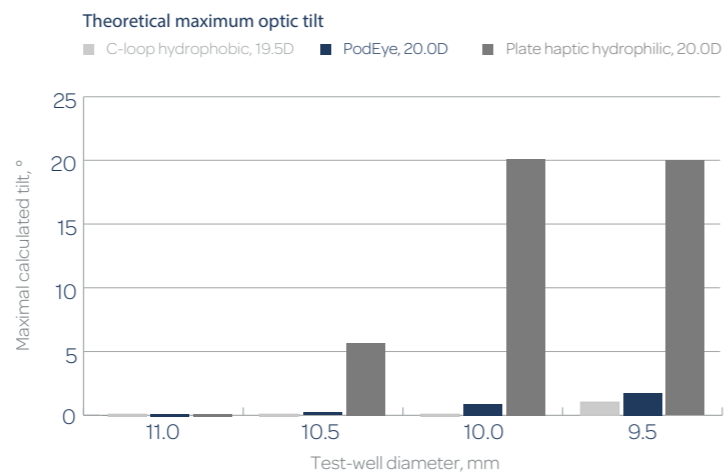
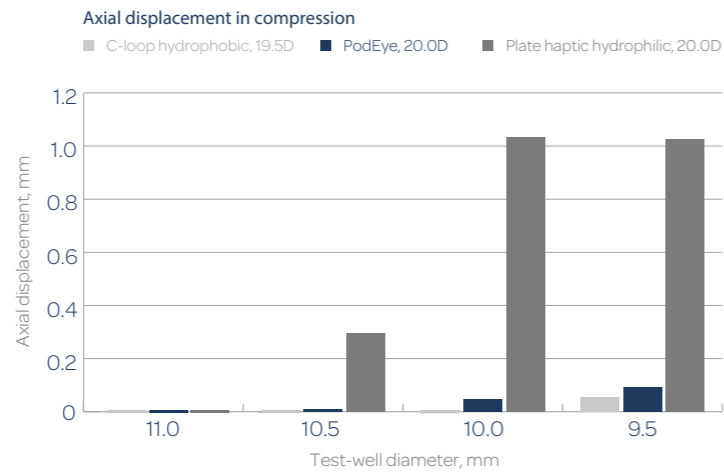
The double C-loop design provides moderate haptic compression force which contributes to the lens' anteroposterior stability.

What do studies say ?

"The axial displacement and tilt tests showed that whatever the capsular bag (test-well) diameter, the optical part of the double C-loop IOL remained in a stable position."

Reference:

D. Bozukova, PhD, C. Pagnouille, PhD, C. Jérôme, PhD : Biomechanical and optical properties of 2 new hydrophobic platforms for intraocular lenses, J Cataract Refract Surg 2013; 39:1404-1414.



What do studies say ?

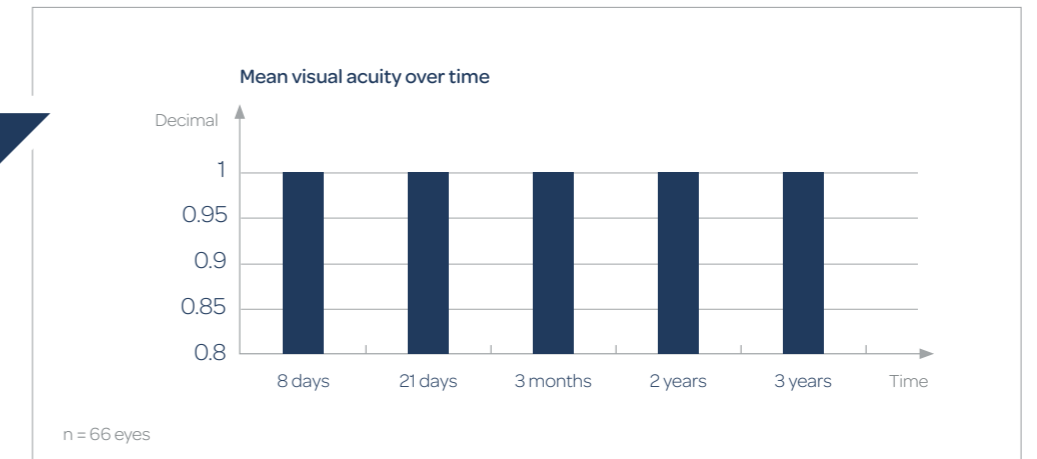
"The double C-loop platform was proven to give outstanding visual outcomes and patient satisfaction. 100% of the patients implanted achieved 20/20 or 1.0 (decimal) corrected distance visual acuity."

Reference:

C. Chassain, MD: Clinical outcomes after 3 years. Data on file with PhysiOL.

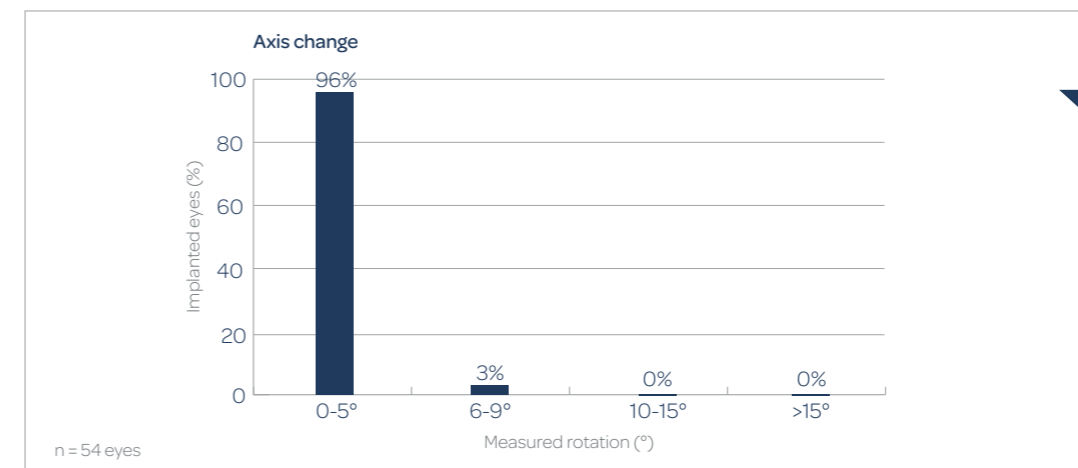
Excellent precise visual outcomes are the results of the double c-loop platform.

With its 4 fixation points and optimal diameter, this innovative design provides long-term VA stability .



Optimal rotational stability

96% of the implanted eyes with the double C-loop IOL reached less than 5° rotation between 1 day to 3 months.



What do studies say ?

"The double C-loop platform exceeds the stringent criteria established by the American National Standards Institute (ANSI) for toric IOLs. ANSI standard Z80.30-2010 requires that ≥ 90% of eyes experience a change in axis of ≤ 5° between two consecutive visits approximately 3 months apart."

Reference:

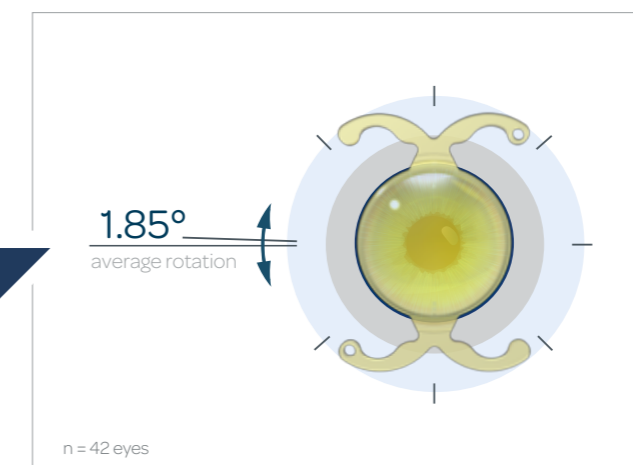
C. Chassain, MD: About 50 cases with a double C-loop toric IOL: cornea anatomical spotting versus corneal marking, ESCRS 2013.

What do studies say ?

"An exceptional average rotation of 1.85° +/- 1.01° was observed between 1 day and 3 months with the double C-loop IOL."

Reference:

F. Poyales, MD, et al.: Stability of a novel intraocular lens design: comparison of two trifocal lenses, J Refract Surg. 2016;32(6):394-402.



Proven minimal mean axis change

Besides its postoperative rotational stability, the double C-loop platform offers the surgeon easy maneuverability, both clockwise and counterclockwise, for accurate axis placement of the IOL.

PhysIOL double C-loop solutions

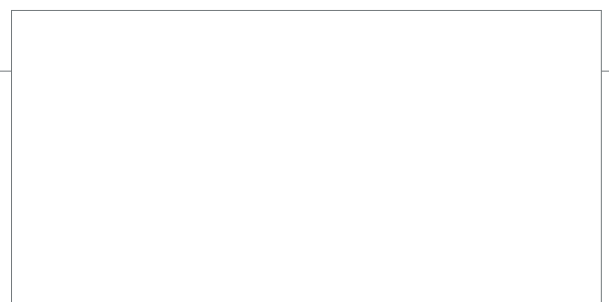
 <p>FINEVISION HP TRIFOCAL OPTIC</p>	 <p>FINEVISION TRIFOCAL OPTIC</p> <p>FINEVISION TRIFOCAL OPTIC</p>
<p>G-free® trifocal diffractive optic Double C-loop platform & RidgeTech® Non-preloaded injection system 10D to 35D power Additional power : +1.75D for intermediate vision and +3.50D for near vision</p> 	<p>Trifocal diffractive optic Double C-loop platform Non-preloaded injection system 6D to 35D power Additional power : +1.75D for intermediate vision and +3.50D for near vision Toric trifocal diffractive optic: 6D to 35D power 1D to 6D cylinder power (IOL plane)</p>  
 <p>ANKORIS MONOFOCAL OPTIC</p>	 <p>PODEYE MONOFOCAL OPTIC</p>
<p>Toric monofocal optic Double C-loop platform Non-preloaded injection system 6D to 30D power 1.50D to 6D cylinder power (IOL plane)</p> 	<p>G-free® monofocal IOL Double C-loop platform & RidgeTech® Non-preloaded injection system 0D to 35D power</p> 

Other PhysIOL advanced optical solutions





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