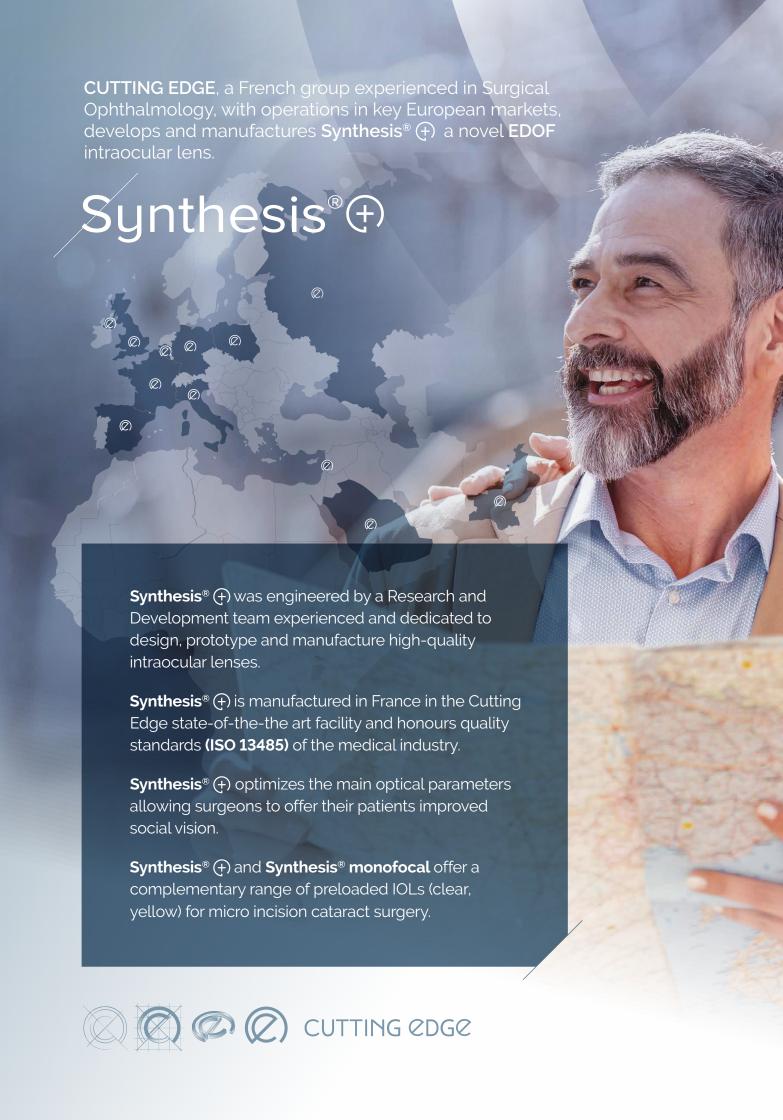


Synthesis®(+)

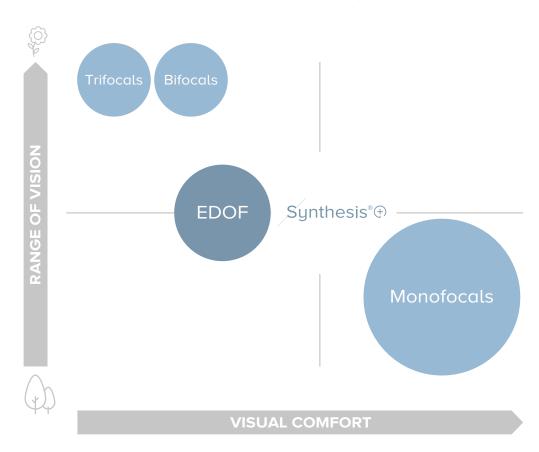
EDOF (Enhanced Depth of Focus)





Synthesis® (+)

CHOOSING THE RIGHT LENS: WHICH ALTERNATIVES?

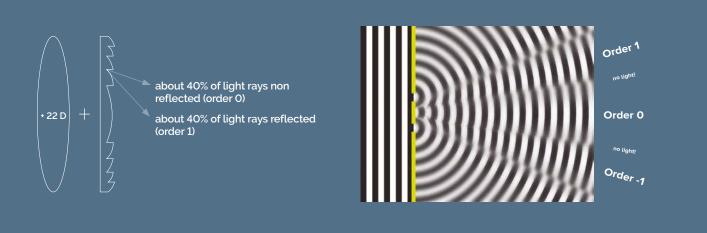




MULTIFOCALS FREQUENT SIDE EFFECTS(1, 2, 3)

- Blurry vision
- Halos
- Glare
- Ghost images
- Dissatisfied patients

DIFFRACTIVE MULTIFOCALS SOME OPTICAL LIMITATIONS

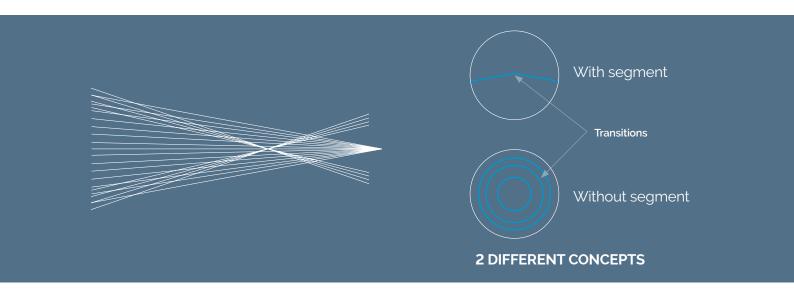


DISADVANTAGES(1):

- Loss of incident light (18%)
- Loss of contrast
- Unwanted optical effects

ADVANTAGES(1)
• Near vision

REFRACTIVE MULTIFOCALS



DISADVANTAGES
• Light loss due to transitions⁽⁸⁾

ÉDOF A NEW CATEGORY

New generation of lenses provides distance vision and enhanced intermediate vision.

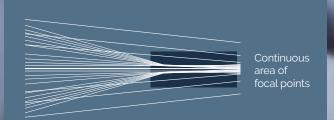
DISADVANTAGES(3)

• Less strong near vision

ADVANTAGES⁽³⁾

- Greater contrast sensitivity
- Lower incidence of dysphotopsia

DEPTH OF FOCUS IOL



RANGE OF VISION



Near Vision



ZONE 1 30 - 50 cm

E 1 ZONE 2) cm 50 cm - 1 m

ZONE 3 2 - 6 m

ZONE 4 6 - 30 m

ZONE 5 30 m































Near/Intermediate

Distance

Social vision

PTICAL QUALIT

AN INNOVATIVE OPTICAL DESIGN

Continuous area with an EDOF central zone, a transition zone and monofocal optical periphery.

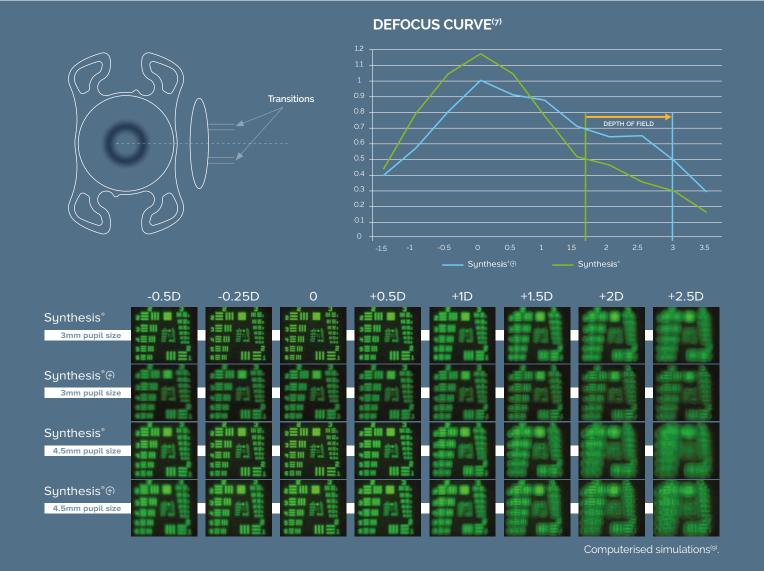
4th and 6th spherical aberrations of opposite signs permits depth of field increase(4,5).



SYNTHESIS® (+) **RAY TRACING**



N° EP 18 1771 92



SAFETY

MATERIAL

- Acrylic copolymer with ultraviolet absoption successfully used for more than 18 years.
- Optional clear or blue-lightfiltering lenses

DESIGN

- 4 point fixation haptics
- Enhanced C-Edge+ <5microns 360° square edge
- Orientation notch at the optic edge

Preloaded [1.6mm]



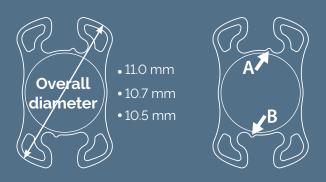
C-EDGE+ SCANNING ELECTRON MICROSCOPY IMAGES

REPRODUCIBILITY

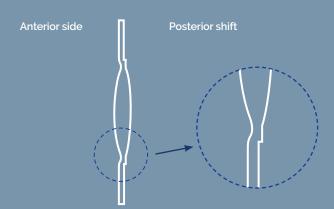
OPTIC

- 6 mm optic across the power range
- 3 overall diameters to fit the capsular bag:
 11.0 mm: from 0.00D to +15.00D
 10.7 mm: from: +15.25D to 22.00D
 10.5 mm: +22.25D to +32.00D
- Orientation notch at the optic edge
- Posterior shift: vaulted design for excellent capsular bag adhesion
- Homogeneous surface across the power range for consistent injection forces regardless of IOL diopter⁽¹⁰⁾.

From 0.0D to 10.0D (0.5D increments) From 10.25 to 32.0D (0.25D increments)



1.6 mm PRELOADED MICS ready



INJECTION SYSTEM

		Brands	References	Wound- assisted recommended incision	In-the wound recommended incision	In-the-bag recommended incision
-	Preloaded	Medicel Accujet™ PRO 1.6	LP604550P (box of 10)	1.6 mm	1.8 mm	2.0 mm

LOADING GUIDE

Synthesis® (+)

EDOF

PRELOADED

References	PRELOADED
Clear	PPLUS
Yellow	PYPLUS

- Open the container; remove the loading cartridge that contains the IOL from the container by pulling on the armature taking care not to remove the protective clip.
- Insert the loading cartridge into the injector body until it locks into position.
- (3) Carefully rinse the lens with balanced salt solution.



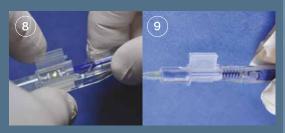
- 4 Through the filling hole, fill the cartridge tunnel with viscoelastic.
- Fill a small amount of visco behind the lens at the rear of the loading chamber.
- Push the plunger until the silicone tip approaches the rear of the loading chamber.



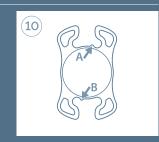
- 7 Carefully remove the clip from the loading chamber:
 - Grab the armature with two fingers while rotating the bottom hinge upwards with the thumb
 - Lift vertically.



- (8) Check that the lens is correctly positioned and close the wings of the loading chamber. When loaded correctly, you will hear a "click" sound.
- Push the plunger to position the implant in the cartridge's tunnel. The system is ready for injection.



Once implanted, the orientation features of the Synthesis (†)'s implant must be oriented at the top right (A) and at the bottom left (B).



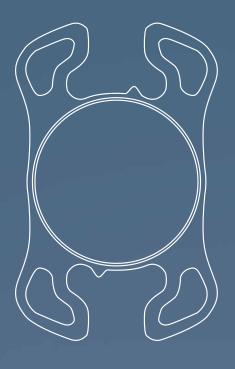
TECHNICAL SHEET

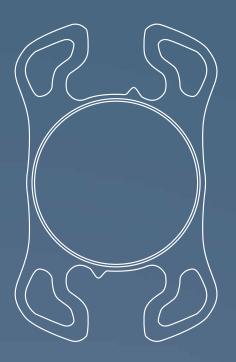




DESIGNATION	SPECIFICATIONS		
Optic diameter	6 mm across the power range (0.0 D to +32.0D)		
Diopter Range	0.5 increments between 0.00D to +10.00D 0.25 increments between +10.25D to +32.00D		
Ordering information	Quarter diopters in stock between +16.25D to +26.00D. (outside this range, quarter diopters available with a 4 weeks lead-time)		
Overall diameter	11.0 mm: from 0.00D to +15.00D 10.7 mm: from +15.25D to +22.0D 10.5 mm: from +22.25D to 32.0D		
Design	4 point-fixation, C-Edge+ ≤ 5 microns		
Angulation	0°, posterior-shift feature		
Biometry	SRK/T: A = 118.851 Haigis: a0 = 1.2228 (with a1 = 0.4 & a2 = 0.1) Hoffer-Q: pACD = 5.4595 Holladay 1: SF = 1.7064		
References	Synthesis+ CLEAR preloaded: PPLUS Synthesis+ YELLOW preloaded: PYPLUS		

ENHANCING THE SOCIAL VISION OF YOUR CATARACT PATIENTS AND IMPROVING WELLBEING









A range that makes sense

PRELOADED | YELLOW | CLEAR | MONOFOCAL | EDOF



ENSE OF EXCELLENCE SE OF INNOVATION E OF PARTNERSHIP SE OF ETHICS

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