

# A UNIQUE KNOW-HOW IN ORTHOKERATOLOGY

G A M M E

# DRL®

Night contact lens

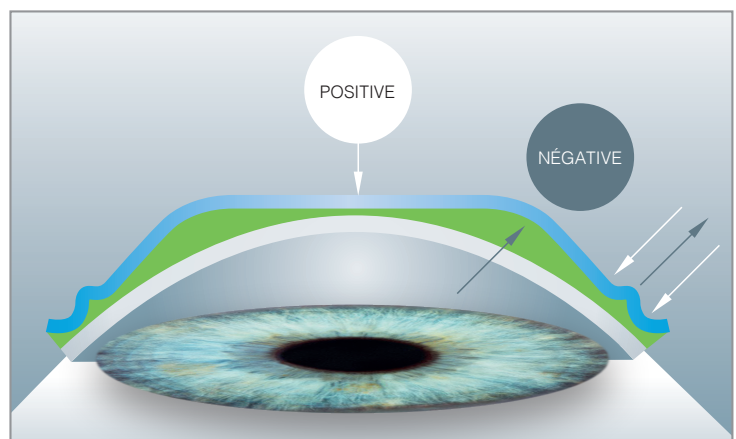


## From myopia management to presbyopia:

### ■ A UNIQUE PATENT DESIGN ADAPTED TO EACH NEED

- Double tear reservoir
- First reservoir geometry and optical zone specific to each lens

- Myopia up to -7.00D
- Astigmatism up to -4.00D
- Hyperopia up to +4.00D
- Presbyopia up to +3.00D Add

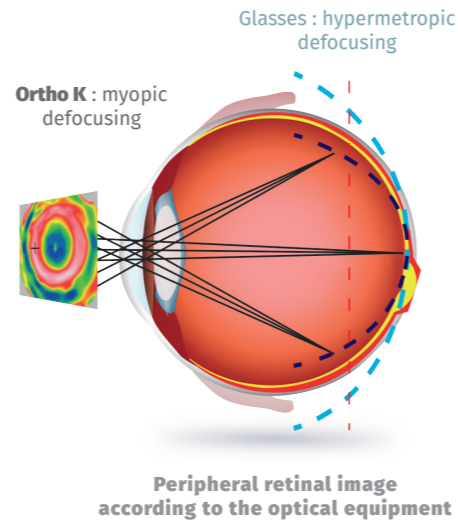


# CHILDREN & YOUNG PEOPLE

## Optimal management of myopia

### A PERSONALISED TREATMENT

- **1<sup>st</sup> tear reservoir (red ring on the topographies)**
  - Generates a positive power related to the value of myopia, causing myopic defocusing (retinal image in front of the retina), allowing to control the evolution of myopia
- **Optical zone adapted according to myopia**
  - Addition zone closer to the centre of the pupillary area
- **Double reservoir**
  - Better centering and increased treatment efficiency



Clinical studies demonstrate up to 85% reduction of the axial length.



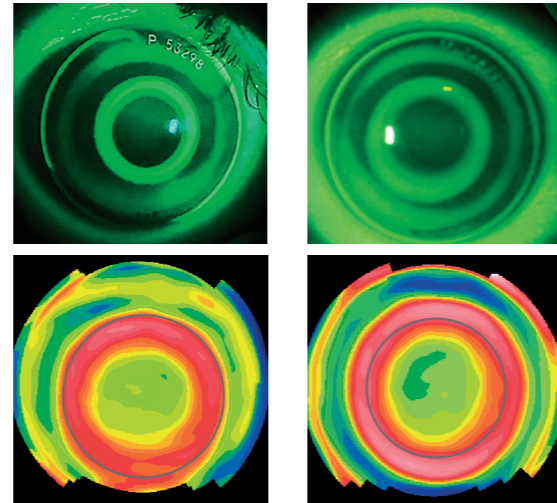
### TWO SINGLE DESIGNS CONSIDERING THE LEVEL OF MYOPIA

- **DRL PREVENTION dedicated to low myopia (children up to 16 years)**

#### Myopia Active Care (MAC):

Unique low myopia management system that increases the myopic defocus required for myopias  $\leq 4.00$  D\*

- **Specific 1<sup>st</sup> reservoir design for increased clearance**
  - Increases the positive power generated
  - Enhances the braking effect
- **Optimised customised optical zone (< 5 mm)**
  - Entire defocus zone in the pupillary area
  - Increased peripheral positive power

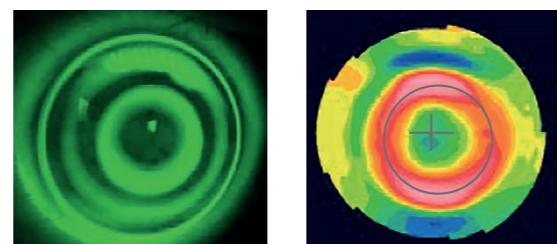


PREVENTION -2.00  
Defocusing zone in the pupil area

DRL Myopia Control -2.00  
Zone of defocus close to the pupil area

- **DRL Myopia Control dedicated to myopias up to -7.00D\* (children and young people)**

- **1<sup>st</sup> tear reservoir adjusted to the correction**
  - Positive power generated by myopia creates sufficient defocus
- **Customised optical zone (5 mm)**
  - Defocus zone close to the pupil area



DRL Myopia Control -5.00

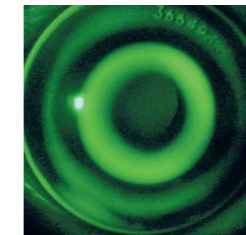
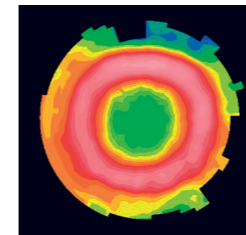
\*Astigmatisme jusqu'à -4.00D

# ADULTS & PRESBYOPES

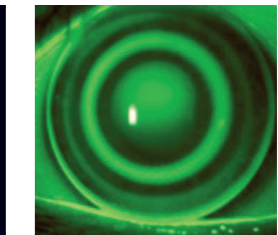
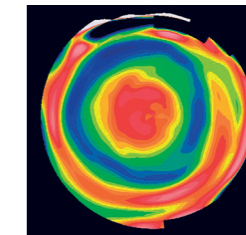
## Freedom of renewed vision

### SIX DESIGNS TO MEET ALL VISUAL NEEDS

- **Natural depth of field with DRL (Figures 1 and 2)**
- **Enhanced vision with an optimised optical zone that increases aberrations to improve depth of field**



(1) DRLM: Central DV and peripheral NV



(2) DRLH: Central NV and peripheral DV

<b>MYOPIA</b> With or without astigmatism	<b>DRLM / DRLT</b>
<b>MYOPIA + PRESBYOPIA</b> With or without astigmatism	<b>DRLM / DRLT on the preferred DV eye</b> <b>DRLM Near / DRLT Near on the preferred NV eye</b> <ul style="list-style-type: none"> <li>- Adjustment of the size of the optical zone to optimize the NV on the Near range.</li> <li>- Similar to a progressive lens with central DV.</li> </ul>
<b>HYPERMETROPIA</b> With or without astigmatism	<b>DRLH</b> <ul style="list-style-type: none"> <li>- The depth of field (aberrations) created by the reshaping naturally provides an addition of half the DV correction.</li> <li>- Similar to a progressive lens with a central NV.</li> </ul>
<b>HYPERMETROPIA + PRESBYOPIA</b> With or without astigmatism	<b>DRLH on the preferred DV eye</b> <b>DRLH Near on the preferred NV eye</b> <ul style="list-style-type: none"> <li>- In the case of a refractive addition greater than half the hyperopia to be corrected.</li> <li>- Similar to a progressive lens with a central NV.</li> </ul>

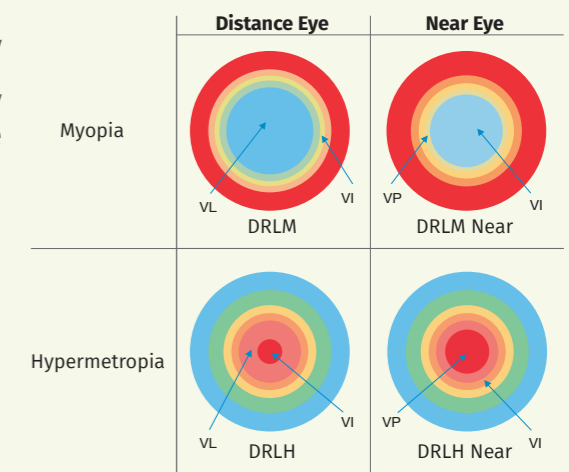
### PRESBYOPIA CORRECTION IN DRL/ DRL NEAR

**Preferred Distance eye:** DRL design corrects DV and naturally generates depth of field for comfortable IV

**Preferred Near eye:** DRL Near design, specifically for correcting NV, also provides comfortable IV due to depth of field

#### Fitting protocol:

- Maximum convex subjective refraction
- Addition of glasses
- Determination of the preferred NV eye (eye least bothered by a +0,75D lens on the DV correction)
- Send to [technique@precilens.com](mailto:technique@precilens.com) :
  - DRL parameters calculated by Click & Fit + glasses Add + preferred NV or DV eye
  - Or all your examinations





# DRL® RANGE: a unique know-how in ORTHO-K

	CHILDREN AND YOUNG PEOPLE	ADULT AND PRESBIOPIC
Advantages of Ortho-K	<ul style="list-style-type: none"> <li>• Prevention and control of myopia progression</li> <li>• Wearing lenses in a controlled and safe environment (home)</li> <li>• Possibility of practicing sports activities</li> </ul>	<ul style="list-style-type: none"> <li>• Freedom: natural vision at all distances</li> <li>• Improvement of field depth</li> <li>• Greater comfort than daytime contact lens wear</li> <li>• No dry eyes</li> </ul>
Indications	<ul style="list-style-type: none"> <li>• Myopic progression</li> <li>• Risk of myopic progression</li> <li>• Sports activities (especially aquatic)</li> </ul>	<ul style="list-style-type: none"> <li>• Sports activities</li> <li>• Extended screen use</li> <li>• Dissatisfied soft lens wearers</li> <li>• Dry eyes (excluding dry eye syndrome)</li> <li>• Contraindication to refractive surgery</li> <li>• Professions requiring good visual acuity without compensation</li> </ul>
Contraindications	<ul style="list-style-type: none"> <li>• Non-engagement of parents or child</li> <li>• Lack of hygiene</li> <li>• Irregular sleep cycles</li> <li>• Ocular pathology, systemic disease</li> <li>• Internal astigmatism <math>\geq 0.75D</math></li> </ul>	<ul style="list-style-type: none"> <li>• Pupil diameter <math>&gt; 4</math> mm</li> <li>• Lack of hygiene</li> <li>• Irregular sleep cycles</li> <li>• Ocular pathology, systemic disease</li> <li>• Internal astigmatism <math>\geq 0.75D</math></li> </ul>
Available materials	<b>Optimum 100 (1<sup>st</sup> intention) and 125 - Boston XO and X02</b> Handling shades: <b>Right Eye Violet/ Left Eye Blue</b>	
Notable	<ul style="list-style-type: none"> <li>• <b>Importance of respecting fitting, removal and maintenance protocols</b></li> <li>• Adaptation time in adults (10 days for myopes, 15 days to 3 weeks for astigmatism and hypermetropia)</li> <li>• Possible halos in adults at the beginning of treatment</li> </ul>	

## CONTACT LENSES ORDER:

### ■ Click & Fit

- For presbyopia, manually add:  
Glasses Add + preferred Near or Distance eye

### ■ [technique@precilens.com](mailto:technique@precilens.com)

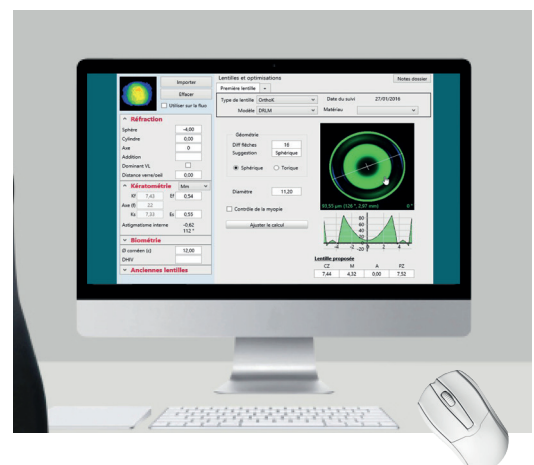
#### Essential data:

Please refer to the technical data sheets which can be downloaded from the professional area of the website [www.precilens.com](http://www.precilens.com)

## RECOMMENDATIONS:

- **Renewal:** annually to ensure safety and effectiveness of the treatment

- **Lens care:** the recommended solutions care (Peroxide solution for decontamination, preservative-free comfort drops for insertion and removal, Subtilisin deproteinization tablets for weekly deproteinization) are the only ones suitable for ortho-K Precilens lenses.



Fitting aids and handling videos on [www.precilens.com](http://www.precilens.com) and [www.contactlensatnight.com](http://www.contactlensatnight.com)

### Technical support:

Ph.: +33 (0)1 45 13 18 45 - E-mail : [technique@precilens.com](mailto:technique@precilens.com)