



# Hydrolens Design

## FEATURES

- spherical blended bi-curve front surface
- spherical blended bi-curve back surface
- lathe cut
- visibility tints available
- available in a range of pastel tints
- opaque tints available 67% only

## BENEFITS

- large parameter range
- a graduated aspheric lenticular zone ensures minimum thickness in any power
- every prescription optimised for handling characteristics and oxygen transmissibility
- computer controlled lathes ensuring excellent reproducibility
- EV can provide improved vision for people with low levels of astigmatism
- the aberration controlled optics of EV can aid the marginal presbyope
- available at no extra cost

*A high quality soft contact lens for daily wear*

## Product Specification

Material	Based on Rx
Water Content	Based on Rx
Permeability (Dk)	Based on Rx
Base Curve (mm)	6.60 to 10.40 (0.20 steps)
Diameter (mm)	11.00 to 20.00 (0.50 steps)
Power Range	-30.00D to +30.00D (0.25D steps)

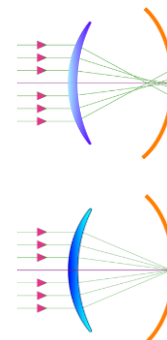
Higher Powers may be available

Available Base Curves and Diameters are restricted by material  
Please refer to our Material Parameters sheet for available sizes

Centre Thickness	Based on Rx
Available to Order as	Hydrolens 38 Hydrolens GMA Hydrolens 60 Hydrolens 67 Hydrolens SiH Hydrolens 77
Available as Bandage lenses	Hydrolens Bandage GMA Hydrolens Bandage 67 Hydrolens SiH

## EV Aberration Controlled

The Cantor & Nissel EV is an aberration controlled single vision enhancement that provides clear, sharp and consistent vision both near and far especially under adverse conditions of light and contrast.



with traditional spherical designs, light rays converge

EV aberration controlled optics focuses light better

# FITTING PROCEDURE

- Full refraction and eye examination
- Keratometry
- Select diameter required 2-3mm larger than HVID
- Select Base Curve according to corneal curvature, but with a flattening differential relative to the diameter of the lens shown below:

Lens Diameter	Order base curve flatter than flattest K by:
12.50mm	0.30mm – 0.40mm
13.00mm	0.40mm – 0.60mm
13.50mm	0.60mm – 0.80mm
14.00mm	0.80mm – 1.00mm
14.50mm and 15.00mm	1.00mm – 1.20mm
15.50mm and above	1.40mm – 1.60mm

## Good Fit

- Comfortable
- Good centration with full coverage of limbus, even in upward gaze
- Adequate smooth movement in all directions of gaze
- Good recovery on push-up test
- Carry out over-refraction and order exchange lens if required



Primary Position



Nasal Position

## Flat Fit

- May give poor centration
- May give unstable vision
- Can cause discomfort
- Try steeper Base Curve (if available)
- Over-refraction



Primary Position



Nasal Position

## Steep Fit

- Displays inadequate or no movement
- Resists push up test with lower lid
- Can cause blanching
- Lens removal may be difficult
- Try flatter Base Curve (if available)
- Over-refraction



Primary Position



Nasal Position

Recommended care system is Quattro multipurpose solution by Abatron. Hydrogen Peroxide or other multipurpose systems can be used on these lenses. Please refer to our Pastel Tints sheet for recommendations for tinted lenses.

**For any further technical advice please do not hesitate to call our Professional Services Team 01280 702002 Option 2**