

# HYDROWAVE<sup>®</sup> FITTING GUIDELINES

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We advise empirical fitting.

The practitioner to provide the following:

- HVID (Horizontal Visible Iris Diameter)
- Keratometry readings
- Spectacle prescription
- BVD (Back Vertex Distance of Spec Rx)

Also for Multifocal lenses only:

- Dominant eye
- Pupil diameter (in normal light)
- Spectacle Near Addition

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## FITTING ASSESSMENT

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Fit as per a normal soft lens. Allow 5-10 minutes settling time. For a good fit the practitioner should observe:

- Limbal coverage 1.0mm - 1.5mm
- Vertical movement on blink 0.5mm - 1.0mm
- PUT (Push Up Test) shows fast, smooth recentration
- No scleral blanching or indentation
- Keratometry images should be stable with the lens in situ
- The lenses should be comfortable

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## FLAT FIT CHARACTERISTICS

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- Astigmatism will be induced in the over-refraction
- The over-refraction will indicate a need for extra plus for reading. Re-centre the lens manually to confirm this.
- If the lens is of toric form, it will rotate off axis

### Action Recommended:

Steepen the lens by increasing diameter a minimum of 0.50mm, or by decreasing the base curve a minimum of 0.20mm

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## STEEP FIT CHARACTERISTICS

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- The vision will be inconsistent, clearing after blink
- If the lens is of toric form, the lens will rotate with a slow progressive movement

### Action Recommended:

Flatten the lens by decreasing diameter a minimum of 0.50mm, or by increasing the base curve a minimum of 0.20mm

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## CYL AXIS MISLOCATION

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First ensure the fit is good. If the cyl axis mislocates, even when the fit is good, the following solutions are available:

- Small amounts of mislocation can be rectified by changing the cyl axis
- Large amounts of mislocation can be rectified by increased ballast and/or diameter changes

### Action Recommended:

We advise that UltraVision makes all the adjustments to lenses. Send details of the lens used, the fit assessment and the axis mislocation to UltraVision Customer Services.

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## EARLY PRESBYOPES

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The Wavefront optics reduce blur and can offer the early presbyope improved near vision in one of the following 3 ways:

- **No addition required.** In this case assess near vision and distance vision and if satisfactory no further change to BVP is needed.
- **Needs small addition, and can benefit from Wavefront optics to reduce distance blur.** In this case add +0.50DS to right and left BVP
- **Needs a small addition and is unable to reduce blur for distance, therefore use reduced blur circle from wavefront optics to allow enhanced monovision.** In this case, add +1.00DS to non-dominant eye.

## MULTIFOCAL FIT ASSESSMENT

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Assess the fit in the normal way (as above). Assess the distance vision and the near vision binocularly, checking for visual acuity (VA) at distance and at near. Evaluate general optical comfort levels. If the results are good then further assessment is advised at the first aftercare appointment being at least 7-10 days later.

At the first aftercare visit, check the fit in the usual way. If the fit is good, check the vision binocularly and assess any required adjustments to the BVP for distance and near taking into account the following points.

- As with all progressive multifocal corrections, there is an adaptation period of at least one week of regular wear
- Minor with-the-rule astigmatic errors may be ignored if the patient copes without this correction in their spectacle Rx or single - vision soft lenses
- Should unsatisfactory vision result from a lens, an over-refraction should be performed\*, first for the distance, then independently for the near

\*The use of pinholes or similar techniques in over refraction of the Hydrowave® multifocal is ineffective as an aid to evaluating visual results

## TECHNICAL SUPPORT

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We have a team of optometrists and contact lens practitioners specialising in different areas and are available to provide help and support. If you have any professional or technical enquiries please contact our customer service team.

FOR FURTHER DETAILS  
CALL **0800 585115**  
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