

DURA™ WAVE

Durable Aspheric Contact Lens



DURAWAVE™ contact lenses use unique multi-aspheric front surface designs providing patented aberration controls based on wavefront technology studies to deliver the following benefits:

Clearer Vision

- Clearer vision in all conditions
- Enhanced vision in low-light conditions
- Enhanced contrast sensitivity
- Can mask astigmatism up to 1.25DC with spherical fitting

Enhanced Comfort

- Enhanced ocular comfort through lens design and material
- Resistant to protein deposition

Longer Wearing

- Ideal for air conditioned environments and dry eye conditions due to exceptional on-eye water retention properties

Early Presbyopes

- Ideally suited to VDU use through enhanced intermediate vision
- Postpones need for multifocals or over readers

Material ¹	GM3 58 (Filcon II1), 58% water content
Base Curve	7.80mm to 9.80mm in 0.20mm steps
Diameter	13.00mm to 15.50mm in 0.50mm steps
Lens Design	Wavefront aberration control unique multi-aspheric front
Power Range (D)	-30.00D to +30.00D in 0.25D steps
Centre Thickness	0.09mm (-2.00D lens)
Handling Tint	Clear
DK	17.5×10^{-11} (cm ² /sec) [ml O ₂ /(ml x mmHg)]
Wear Modality	Durable lens for daily wear use
Pack Size	Single Vial

¹ DURAWAVE™ lens design can be applied to any soft lens material upon request

Fitting Guide for *DURAWAVE*™

Initial Fitting

We recommend an empirical fitting method for *DURAWAVE*™ contact lenses. When ordering, simply supply us with the information listed below and we will manufacture the lenses to meet your needs.

For each eye supply:

- Horizontal Visible Iris Diameter (HVID).
- Keratometer readings
- Spectacle Refraction
- Back Vertex Distance of Spectacle Rx

For astigmatism above 1.25DC specify *DURAWAVE*™ **T** lens

Fitting Assessment

Insert the new lenses and allow to settle for 5 to 10 minutes. After the lenses have settled, assess vision and fit including the following points:

The lens should exhibit good centration on primary (straight ahead) gaze and good corneal coverage in all directions of gaze. The edge should be approximately 1.5mm beyond the limbus.

Vertical movement on blinking (on upward gaze) should be between 0.5mm and 1mm.

The push up test (PUT) should show fast and smooth recentration of the lens.

There should be no scleral indentation or blanching.

Keratometer mires should be stable on blinking.

The patient should experience good comfort.

Early Presbyopes

For early presbyopes, the improved depth of focus of the *DURAWAVE*™ lens allows three options to be considered. To investigate these options in practice the practitioner can use *ULTRAWAVE*™ 60 disposable trial lenses as outlined below:

For each eye, calculate the initial best vision sphere (BVS) using the following formula:

$$\text{BVS} = \text{Sphere} + \frac{\text{Cylinder}}{2}$$

Select lens of equivalent power to the best vision sphere (BVS) for the patient, allowing for vertex distance adjustments if the BVS power is greater than +/- 4.00D.

Insert selected *ULTRAWAVE*™ 60 lenses and work through the following options:

- 1) Assess the near vision capability of the patient with the correct distance BVS (over refraction) in place. If this is suitable, order the lenses using no adjustment to the spectacle refraction.
- 2) If the near vision is not acceptable use an over refraction with power +0.50DS greater than the distance BVS in both eyes, then reassess the near vision and distance vision. If both are acceptable then order the lenses requesting an addition of +0.50DS to be added to the spectacle refraction in both lenses.
- 3) If neither of the above provides acceptable vision then over refract by adding +1.00DS to the non-dominant eye only, leaving the dominant eye with the normal BVS for distance, then reassess the near and distance acuities binocularly. If satisfactory, order requesting an extra +1.00DS to be added to the non-dominant spectacle refraction. Due to the unique multi-aspheric front surface lens design, good binocular intermediate vision can be obtained even with the monovision solution.

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