



## Simplified Fitting Guide

YamaKone™ IC

soft custom keratoconus  
contact lenses for daily wear



GP SPECIALISTS

Reshaping the way the world sees®

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### MATERIAL:

Definitive™ Silicone Hydrogel Efofilcon A 74% Water

### SYMMETRICAL DESIGN TECH:

Our proprietary Symmetrical Design Technology gives YamaKone™ IC soft keratoconus contact lenses the ability to mask up to 6 diopters of cylinder without the need for toric curves. The unique feature allows for a more simplified fitting process. However, YamaKone™ IC SOFT CONTACT LENSES are also available in a toric design if needed.

### ABERRATION CONTROL:

YamaKone™ IC soft keratoconus contact lenses incorporate a series of spherical and aspheric curves to enhance the patient's visual acuity by controlling Low Order Aberrations associated with compromised corneas (i.e. keratoconus).

### COMFORT CONTROL CURVE (CCC):

Understanding that comfort is a key component for the cone patient who cannot tolerate gp lenses YamaKone™ IC soft keratoconus contact lenses incorporate a unique comfort control curve which adds a greater degree of comfort for the sensitive patient.

### AVAILABLE PARAMETERS:

BASE CURVES: 6.00mm to 9.50mm (.10mm steps)

POWER RANGE: +30.00 to -30.00 (.25 D steps)

DIAMETERS: 14.00mm TO 16.00mm (.10mm steps)

OFFSET OZ: 1 mm to 4mm (0.5mm steps)

FRONT CYLINDERS: -0.50 to -8.00 Diopters (.25 D steps)

COMFORT CONTROL CURVES: FC 1 to FC 5 (Std = FC 3)

### FITTING SET:

The YamaKone™ IC fitting set is comprised of 4 keratoconus soft contact lenses and 4 offset keratoconus soft contact lenses:

BC	DIA	CCC	POWER
7.00	15.0	FC3	-15.00
7.50	15.0	FC3	-10.00
8.00	15.0	FC3	-7.50
8.50	15.0	FC3	-3.00

### KERATOCONUS SOFT CONTACT LENS

#### BASE CURVE SELECTION GUIDE:

BC	K READING RECOMMANTION
7.00	> 55.00 (advanced)
7.50	> 50.00 (moderate)
8.00	> 46.00 (mild to moderate)
8.50	>43.00 (emerging)

### VARIABLES:

The practioner should follow the recommended fitting guidelines to start. The fitting set is simple to use with only 8 lenses that will fit the most common keratoconic patient. The base curves can be ordered based upon the trial fitting. The comfort control curve (CCC) can be increased or decreased depending on the fit. For example, if the lens edge is uncomfortable after insertion, the doctor can try the next steeper or flatter lens or the CCC can be increased if the edge is fluting or decreased if the lens is fitting too tight. For example, if the lens edge is fluting then order FC2. If the lens is fitting too tight then order FC4. YamaKone™ IC keratoconus contact lenses can be customized as needed by the practitioner.

### THE OFFSET O.Z.:

This is a unique feature for the expert keratoconus fitter who wishes to design his/her own lens. The practitioner can order the O.Z. anywhere he/she wishes on the back surface of the lens where it belongs. Many of the advanced cone patients will have the low cone configuration and thus a desire to move the O.Z. to a lower location on the back surface can be ordered. This is a nice feature for the more advanced and skilled practitioner. Consult with our consultants before ordering.

### KERATOCONUS SOFT CONTACT LENS

#### PATIENT SELECTION:

**It is important that the keratoconus patient understands that there will be some compromise in their visual acuity in exchange for comfort.**

Allow 5 minutes for the lens to settle before proceeding with the fit and over refraction. It is advisable to use a trial frame for the final diagnosis.

## KERATOCONUS FITTING PROCEDURE:

Having a corneal topographer is helpful in determining whether the patient is a good keratoconus candidate for the YamaKone™ IC soft keratoconus contact lens but not absolutely essential to have a successful fit.

The YamaKone™ IC soft keratoconus contact lens was specifically designed for the novice fitter without having to digest a great amount of information. The fitting procedure is straight forward and after 2-3 fits one will become well versed and comfortable in fitting the YamaKone™ IC.

## KERATOCONUS SOFT CONTACT LENS FITTING TIPS FOR THE NOVICE:

- 1). Insertion:** Have the patient place the lens on the index finger while spreading the lids apart with the other hand.
- 2). Insertion:** If #1 does not work then use a DMV® scleral cup to hold the lenses during insertion. DMV® scleral cups are available through GP Specialists.
- 3). Alternative insertion technique:** You can also use a small O-ring placed on the index finger and place the lens on the O-ring for stabilization while inserting. (short large washers for the Delta faucets also work well)
- 4). Removal:** Routine removal technique used for regular soft lenses will work in most cases.
- 5). Removal:** If #4 does not work, then teach the patient the scissors technique where the patient places the index finger of one hand directly on the lower lid margin while the index finger of the other hand is placed on the top lid margin – gently exerting small amount of pressure inwards will remove the lens.
- 6). Spherical over-refraction:** Once the lens is settled on the eye (approx 5-7 minutes), use power bars to determine the amount of sphere power that results in improved acuity. Have the patient cover the opposite eye and give the patient the (+) power bar. The patient is then instructed to move through the various powers on the bar to see if the vision can be improved. If the

patient responds that none of the lenses help then hand the patient the (-) minus power bar. Once the correct sphere power is selected. Place the selected lens in a trial frame. Do the same for the opposite eye.

**7). Cylinder over-refraction:** If the patient has less than 6 diopters of corneal cylinder then this portion can be skipped. If you wish to see if any further improvements can enhance the patient's vision, place a black occlude into the left lens well (TRIAL FRAME). Next, place a -1.00 cylinder into the right lens well. Instruct the patient to rotate the cylinder axis knob and ask the patient to rotate the knob for improvement in the vision. If the patient responds: "I see no improvement," then you can cease". If the patient responds in the affirmative that his/her vision improved – remove the -1.00 cylinder trial lens and replace with a -2.00 cylinder trial lens and repeat the process. You can keep refining the cylinder power and axis with various cylinder trial lenses until the optimum acuity is reached.

**8). Base curve:** Use the Fitting Guide to select your first lens to try. If the patient responds that the lens is not comfortable – this is generally due to edge fluting. Ask the patient: 'When you blink – does the vision blur?' Should the vision blur upon blinking – this is an indication that the selected B.C. is too steep. If this should be the case then change to a flatter B.C. in the trial fitting set. Keep in mind that you can change the B.C. to any B.C. of your choosing. We have found that the Base Curves found in your fitting set will cover 90% of your cone patients. If the patient responds upon blinking: "I can feel something in my eye (fluting) then you will want to try a steeper B.C. or you can change the CCC"

**9). The beauty of the YamaKone™ IC soft keratoconus contact lens is that you can change the CCC (Comfort Control Curve).** We have selected FC3 from all the feedback received from doctors. If the patient complains about feeling the edges (fluting) then you can order FC2 which will give a tighter and snugger fit in the P.C. (peripheral curve). Selecting a higher number (for example the FC4) will loosen the P.C.

**10). KERATOCONUS:** The ideal and first option with most cone patients is to call our consultants for their recommendations. GP Specialists' consultants are here to help you with your cone patients. They will most

likely design a gas perm lens depending on the K readings and topography maps. Our consultants have many different gas permeable lens designs at their disposal. Gas permeable cone lenses will typically give these patients the best acuity.

**11). YamaKone™ IC (SOFT KERATOCONUS CONTACT LENS):** These lenses were developed for the patients with intolerance to gas permeable lenses. They are constructed with the use of the highest technology using proprietary spherical and aspherical curves which results in a snugger fit thus eliminating bubbles seen with most soft lenses on these irregularly shaped corneas. These lenses are sure to satisfy many of your cone patients.

## FITTING ASSISTANCE:

Consultation is available by calling 800-889-0379.

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