

# Menicon Z Comfort

A novel lens design concept for extraordinary wearing comfort

## Design: Large comfort lens design concept

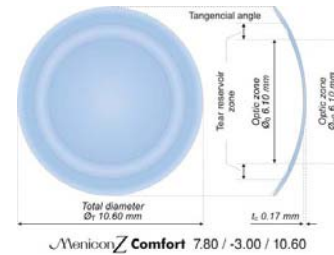
### Back surface:

The central optical zone is surrounded by a uniquely manufactured tear-reservoir zone. The peripheral part of the lens aligns with the cornea which, together with the large total diameter, provides an excellent centration and wearing comfort.

### Front surface:

The optical zone diameter is dependant on the lens power to maximize outstanding wearing comfort.

The Menicon Z Comfort is also available in toric (Menicon Z Comfort BTC) and multifocal design (Menicon Z Comfort Progressive).



## Parameter range

### Menicon Z comfort

Parameters	$r_0$ (mm)	Spherical power (D)	Diameter (mm)
Min/Max	6.50 to 9.20	- 25.00 to + 25.00	10.20 to 11.00
Steps	0.05	0.25	0.40

### Menicon Z Comfort BTC

Parameters	$r_0$ (mm)	Back cylinder (mm)	Spherical power (D)	Diameter (mm)
Min/Max	6.50 to 9.20	6.30 to 9.00	-25.00 to +25.00	10.20 to 11.00
Steps	0.05	0.10	0.25	0.40

### Menicon Z comfort Progressive

Parameters	$r_0$ (mm)	Spherical power (D)	Diameter (mm)	Addition (D)
Min/Max	6.50 to 9.20	- 25.00 to + 25.00	10.20 to 11.00	1.00 to 3.00
Steps	0.05	0.25	0.40	0.50

## Indications

**Menicon Z Comfort:** Hyper DK RGP lens for the correction of myopia, hypermetropia and/or corneal astigmatism correction. Specially recommended for:

- To improve centration
- For patients experiencing discomfort with RGP lenses
- Sports
- Post –refractive surgery fitting

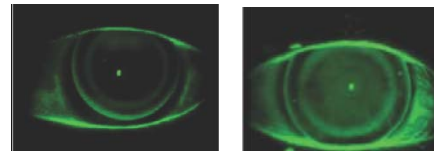
**Menicon Z Comfort Progressive:** For presbyopia correction

**Menicon Z Comfort BTC:** For corneal astigmatism  $\geq 1.50$  D

- Recommended lens replacement: < 2 years - Daily wear.

## Fitting rules

K-reading difference = $K - K'$	K flattest corneal radius	K' steepest corneal radius	$r_0$ lens base curve radius
<b><math>K - K' \leq 0.3</math> mm <math>\rightarrow</math> Menicon Z Comfort</b>			
<ul style="list-style-type: none"> <li>• B.C = mean K + 0.05 mm</li> <li>• Total diameter = corneal diameter – (1.0 to 1.5 mm)</li> </ul>			
<p><b>Example:</b> K-readings = 7.66 @ 174° / 7.54 @ 84° <math>\Rightarrow</math> mean K = 7.60                      Corneal diameter = 11.90 Spectacle refraction = -2.50 / -0.50 x 175°  <math>\rightarrow</math> Lens to order: <b>Menicon Z Comfort 7.65 / 10.60 / -2.50</b></p>			
<b><math>K - K' &gt; 0.3</math> mm <math>\rightarrow</math> Menicon Z Comfort BTC</b>			
<ul style="list-style-type: none"> <li>• Flattest B.C = K + 0.05 mm</li> <li>• Steepest B.C = K' + 0.10 mm</li> <li>• Lens power = an increase or decrease in the flattest lens base curve vs. the flattest corneal radius of 0.05 mm should be accompanied by an increase or decrease of 0.25 D in the spherical component of the spectacle refraction, respectively.</li> </ul>			
<p><b>Example:</b> K-readings: 8.05 @ 25° / 7.60 @ 115° Corneal diameter = 11.90 Spectacle refraction = -2.50 / -2.75 x 180°  <math>\rightarrow</math> Lens to order: <b>Menicon Z Comfort BTC 8.10 / 7.70 / 10.60 / -2.25</b></p>			



The fluorescein pattern is similar to the tear reservoir of ortho-K lenses. However, Menicon Z Comfort does not reshape the cornea.

## Lens care

**MeniCare Plus:** for daily care.

**Progent:** once a week for intensive cleaning (protein remover) and disinfection.

